

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-19033-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 07.12.2021

Date of issue: 07.12.2021

Holder of certificate:

SKZ - Testing GmbH
Friedrich-Bergius-Ring 22, 97076 Würzburg

Tests in the fields:

Mechanical-technological, chemical-analytical, electrical, optical, thermal and climatic analysis of plastics and plastic products such as sheeting, components, containers, floor coverings, sealants, films, moulding materials, mouldings, geosynthetics, semi-finished products, profiles, pipes, valves, foams, weld seams, surfaces for sports areas, sports products and tiles as well as analysis of fire and creep behaviour

Microbiological analysis of materials for the drinking water sector

**Testing of construction products under Regulation (EU) No 305/2011 laying down harmonised conditions for the marketing of construction products
(Construction Products Regulation)**

The testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standards or equivalent testing methods listed here with different issue dates. The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories. Laboratories that conform to the requirements of this standard, operate generally in accordance with the principles of DIN EN ISO 9001.

The certificate together with the annex reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at <https://www.dakks.de/en/content/accredited-bodies-dakks>.

Abbreviations used: see last page

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This document is a translation. The definitive version is the original German annex to the accreditation certificate.

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1 Mechanical-technological testing

1.1 Tensile testing

ISO 37 2017-11	Rubber, vulcanized or thermoplastic – Determination of tensile stress-strain properties
ISO 1922 2018-09	Rigid cellular plastics – Determination of shear strength
ISO 3341 2000-05	Textile glass – Yarns – Determination of breaking force and breaking elongation
ISO 13951 2015-02	Plastics piping systems – Test method for the resistance of plastic pipe/pipe or pipe/fitting assemblies to tensile loading
ISO 18488 2015-09	Polyethylene (PE) materials for piping systems – Determination of Strain Hardening Modulus in relation to slow crack growth – Test method
DIN ISO 34-1 2016-09	Rubber, vulcanized or thermoplastic – Determination of tear strength – Part 1: Trouser, angle and crescent test pieces
DIN ISO 813 2020-12	Rubber, vulcanized or thermoplastic – Determination of adhesion to a rigid substrate – 90° peel method
DIN ISO 2285 2013-12	Rubber, vulcanized or thermoplastic – Determination of tension set under constant elongation, and of tension set, elongation and creep under constant tensile load
DIN ISO 6133 2017-04	Rubber and plastics – Analysis of multi-peak traces obtained in determinations of tear strength and adhesion strength
DIN EN ISO 527-1 2019-12	Plastics – Determination of tensile properties – Part 1: General principles
DIN EN ISO 527-2 2012-06	Plastics – Determination of tensile properties – Part 2: Test conditions for moulding and extrusion plastics
DIN EN ISO 527-3 2019-02	Plastics – Determination of tensile properties – Part 3: Test conditions for films and sheets

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DIN EN ISO 527-4 1997-07	Plastics – Determination of tensile properties – Part 4: Test conditions for isotropic and anisotropic fibre-reinforced plastic composites
DIN EN ISO 527-5 2010-01	Plastics – Determination of tensile properties – Part 5: Test conditions for unidirectional fibre-reinforced plastic composites
DIN EN ISO 1421 2017-03	Rubber- or plastics-coated fabrics – Determination of tensile strength and elongation at break
DIN EN ISO 3376 2020-08	Leather – Physical and mechanical tests – Determination of tensile strength and percentage extension
DIN EN ISO 8339 2005-09	Building construction – Sealants – Determination of tensile properties (Extension to break)
DIN EN ISO 8340 2005-09	Building construction – Sealants – Determination of tensile properties at maintained extension
DIN EN ISO 8510-2 2010-12	Adhesives – Peel test for a flexible-bonded-to-rigid test specimen assembly – Part 2: 180 degree peel
DIN EN ISO 11339 2010-06	Adhesives – T-peel test for flexible-to-flexible bonded assemblies
DIN EN ISO 14129 1998-02	Fibre-reinforced plastic composites – Determination of the in-plane shear stress/shear strain response, including the in-plane shear modulus and strength, by $\pm 45^\circ$ tension test method
DIN EN 319 1993-08	Particleboards and fibreboards; determination of tensile strength perpendicular to the plane of the board
DIN EN 1393 1996-12	Plastics piping systems – Glass-reinforced thermosetting plastics (GRP) pipes; Determination of initial longitudinal tensile properties (<i>only method A</i>)
DIN EN 1394 1996-12	Plastics piping systems – Glass-reinforced thermosetting plastics (GRP) pipes – Determination of the apparent initial circumferential tensile strength (<i>except method A</i>)
DIN EN 1464 2010-06	Adhesives – Determination of peel resistance of adhesive bonds – Floating roller method

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DIN EN 1465 2009-07	Adhesives – Determination of tensile lap-shear strength of bonded assemblies
DIN EN 15977 2011-05	Rubber or plastic coated fabrics – Mechanical properties – Determination of the elongation under load and the residual deformation
DIN EN 17096 2019-02	Test method for the determination of the strain hardening modulus of PE-HD geosynthetic barriers
DIN EN 28510-1 2014-07	Adhesives – Peel test for a flexible-bonded-to-rigid test specimen assembly – Part 1: 90° peel
DIN 53292 1982-02	Testing of sandwiches; Tensile test perpendicular to the faces
DIN 53294 1982-02	Testing of sandwiches; Shear test
DIN 53356 1982-08	Testing of artificial leather and similar sheet materials; tear growth test <i>(standard withdrawn)</i>
DIN 53357 1982-10	Testing of plastics sheets; adhesion test <i>(standard withdrawn)</i>
DIN 53360 1982-05	Testing artificial leather and similar sheet materials; determination of the total elongation (statical elongation) and irreversible elongation <i>(standard withdrawn)</i>
DIN 53363 2003-10	Testing of plastic films – Tear test using trapezoidal test specimen with incision
DIN 53399-2 1982-11	Testing of reinforced plastics; shear test on plane specimens <i>(standard withdrawn)</i>
DIN 53441 1984-01	Testing of plastics; stress relaxation test <i>(standard withdrawn)</i>
DIN 53504 2017-03	Testing of rubber – Determination of tensile strength at break, tensile stress at yield, elongation at break and stress values in a tensile test

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DIN 53506 1990-12	Testing of rubber; determination of needle tear resistance <i>(standard withdrawn)</i>
DIN 53530 1981-02	Testing of organic materials; Separation test on fabric plies bonded together
DIN 65148 1986-11	Aerospace; testing of fibre-reinforced plastics; determination of interlaminar shear strength by tensile test
DIN 65378 1989-11	Aerospace; fibre reinforced plastics; testing of unidirectional laminates; tensile test transverse to fibre direction
AS 1145.1-2001 2001	Determination of tensile properties of plastics materials General principles
ASTM D 638 2014	Standard Test Method for Tensile Properties of Plastics
ASTM D 882 2018	Standard Test Method for Tensile Properties of Thin Plastic Sheeting
ASTM D 1004 2013	Standard Test Method for Tear Resistance (Graves Tear) of Plastic Film and Sheeting
ASTM D 6693/D 6693M (E1) 2020	Standard Test Method for Determining Tensile Properties of Nonreinforced Polyethylene and Nonreinforced Flexible Polypropylene Geomembranes

1.2 Pressure testing

DIN ISO 3384-1 2015-12	Rubber, vulcanized or thermoplastic – Determination of stress relaxation in compression – Part 1: Testing at constant temperature
DIN EN ISO 178 2019-08	Plastics – Determination of flexural properties
DIN EN ISO 604 2003-12	Plastics – Determination of compressive properties
DIN EN ISO 3386-1 2015-10	Polymeric materials, cellular flexible – Determination of stress-strain characteristics in compression – Part 1: Low-density materials

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DIN EN ISO 14125 2011-05	Fibre-reinforced plastic composites – Determination of flexural properties
DIN EN ISO 14126 2000-12 Corrigendum 1 2003-06	Fibre-reinforced plastic composites – Determination of compressive properties in the in-plane direction
DIN EN ISO 14130 1998-02	Fibre reinforced plastic composites – Determination of apparent interlaminar shear strength by short beam-method
DIN EN 1228 1996-08	Plastics piping systems – Glass-reinforced thermosetting plastics (GRP) pipes – Determination of initial specific ring stiffness
DIN EN 2377 1989-10	Aerospace series; glass fibre reinforced plastics; test method; determination of apparent interlaminar shear strength
DIN 53291 1982-02	Testing of sandwiches; Compression test perpendicular to the faces <i>(standard withdrawn)</i>
DIN 53293 1982-02	Testing of sandwiches; Bending test
DIN 53435 2018-09	Testing of plastics; bending test and impact test on dynstat test pieces
DIN 55440-1 2019-10	Packaging test – Determination of compression resistance – Part 1: Test with constant conveyance speed

1.3 Impact and shock testing

DIN ISO 812 2021-06	Rubber, vulcanized or thermoplastic – Determination of low-temperature brittleness
DIN ISO 7765-2 2009-02	Plastics film and sheeting – Determination of impact resistance by the free-falling dart method – Part 2: Instrumented puncture test
DIN EN ISO 179-1 2010-11	Plastics – Determination of Charpy impact properties – Part 1: Non-instrumented impact test
DIN EN ISO 180 2020-03	Plastics – Determination of Izod impact strength

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DIN EN ISO 6603-2 2002-04	Plastics – Determination of puncture impact behaviour of rigid plastics – Part 2: Instrumented puncture test
DIN EN ISO 7765-1 2004-10	Plastics film and sheeting – Determination of impact resistance by the free-falling dart method – Part 1: Staircase methods
DIN EN ISO 8256 2005-05	Plastics – Determination of tensile-impact strength
DIN EN 477 2018-04	Unplasticized polyvinylchloride (PVC-U) profiles for the fabrication of windows and doors – Determination of the resistance to impact of main profiles by falling mass
DIN EN 14477 2004-06	Packaging, Flexible packaging material – Determination of puncture resistance – Test methods
DIN EN 22248 1993-02	Packaging; complete, filled transport packages; vertical impact test by dropping
DIN 52306 1990-03	Ball drop test on safety glass for vehicle glazing <i>(standard withdrawn)</i>
DIN 52307 1990-03	Dart drop test on safety glass for vehicle glazing
DIN 55441-2 1998-05	Packaging test – Impact test – Part 2: Free drop of plastic bottles
ASTM D 1709a 2016	Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method
ASTM D 2137 2011	Standard Test Methods for Rubber Property-Brittleness Point of Flexible Polymers and Coated Fabrics <i>(only with test piece B)</i>

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1.4 Hardness testing

ISO 3387 2012-07	Rubber – Determination of crystallization effects by hardness measurements
DIN ISO 48 2016-09	Rubber, vulcanized or thermoplastic – Determination of hardness (hardness between 10 IRHD and 100 IRHD)
DIN ISO 48-2 2021-02	Rubber, vulcanized or thermoplastic – Determination of hardness – Part 2: Hardness between 10 IRHD and 100 IRHD; only method M (replacement for DIN ISO 48:2016-09)
DIN ISO 48-4 2021-02	Rubber, vulcanized or thermoplastic – Determination of hardness – Part 4: Indentation hardness by durometer method (Shore hardness) (replacement for DIN ISO 7619-1:2012-02)
DIN ISO 7619-1 2012-02	Rubber, vulcanised or thermoplastic – Determination of indentation hardness – Part 1: Durometer method (Shore hardness)
DIN ISO 7619-2 2012-02	Rubber, vulcanised or thermoplastic – Determination of indentation hardness – Part 2: IRHD pocket meter method
DIN EN ISO 868 2003-10	Plastics and ebonite – Determination of indentation hardness by means of a durometer (Shore hardness)
DIN EN ISO 2039-1 2003-06	Plastics – Determination of hardness – Part 1: Ball indentation method
DIN EN ISO 2815 2003-10	Paints and varnishes – Buchholz indentation test
DIN EN 59 2016-06	Glass reinforced plastics – Determination of indentation hardness by means of a Barcol hardness tester

1.5 Viscosity testing

ISO 1628-4 2020-12	Plastics – Determination of the viscosity of polymers in dilute solution using capillary viscometer – Part 4: Polycarbonate (PC) moulding and extrusion materials
ISO 1628-5 1998-03	Plastics – Determination of the viscosity of polymers in dilute solution using capillary viscometer – Part 5: Thermoplastic polyester (TP) homopolymers and copolymers

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ISO 1628-6 1990-02	Plastics; determination of viscosity number and limiting viscosity number; part 6: Methyl methacrylate polymers
DIN EN ISO 307 2013-08	Plastics – Polyamides – Determination of viscosity number
DIN EN ISO 1133-1 2012-03	Plastics – Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics – Part 1: General test method
DIN EN ISO 1133-2 2012-03	Plastics – Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics – Part 2: Method for materials sensitive to time-temperature history and/or moisture
DIN EN ISO 1628-1 2012-10	Plastics – Determination of the viscosity of polymers in dilute solution using capillary viscometer – Part 1: Noise control strategies <i>(only section 8)</i>
DIN EN ISO 1628-2 1999-11	Plastics – Determination of the viscosity of polymers in dilute solution using capillary viscometer – Part 2: Poly(vinyl chloride) resins
DIN EN ISO 1628-3 2010-10	Plastics – Determination of the viscosity of polymers in dilute solution using capillary viscometer – Part 3: Polyethylenes and polypropylenes
DIN EN ISO 1628-5 2015-05	Plastics – Determination of the viscosity of polymers in dilute solution using capillary viscometer – Part 5: Thermoplastic polyester (TP) homopolymers and copolymers
DIN EN ISO 13229 2011-11	Thermoplastics piping systems for non-pressure applications – Unplasticized poly(vinyl chloride) (PVC-U) pipes and fittings – Determination of the viscosity number and K-value
DIN 51562-3 1985-05	Viscometry; determination of kinematic viscosity using the Ubbelohde viscometer; viscosity relative increment at short flow times
ASTM D 1238 2013	Standard Test Method for Melt Flow Rates of Thermoplastics by Extrusion Plastometer <i>Deutsch: Prüfung der Fließfähigkeit von Thermoplasten mit dem Plastometer</i>
ASTM D 4603 2018	Standard Test Method for Determining Inherent Viscosity of Poly(Ethylene Terephthalate) (PET) by Glass Capillary Viscometer

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GRI GG8 2006-09	Determination of the average molecular weight of PET yarns
ÖNORM EN ISO 1133-1 2012-03	Plastics – Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics – Part 1: General test method <i>(only sections 8 - 10)</i>
ÖNORM EN ISO 1133-2 2012-03	Plastics – Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics – Part 2: Method for materials sensitive to time-temperature history and/or moisture

1.6 Density, volume and weight testing

DIN EN ISO 60 2000-01	Plastics – Determination of apparent density of material that can be poured from a specified funnel
DIN EN ISO 62 2008-05	Plastics – Determination of water absorption
DIN EN ISO 1183-1 2019-09	Plastics – Methods for determining the density of non-cellular plastics – Part 1: Immersion method, liquid pycnometer method and titration method
DIN EN ISO 1183-3 2000-05	Plastics – Methods for determining the density of non-cellular plastics – Part 3: Gas pycnometer method
DIN EN ISO 2811-1 2016-08	Paints and varnishes – Determination of density – Part 1: Pycnometer method
DIN EN ISO 9054 2000-01	Cellular plastics, rigid – Test methods for self-skinned, high-density materials <i>(except section 6.8)</i>
DIN EN ISO 23996 2012-04	Resilient floor coverings – Determination of density
DIN EN 12127 1997-12	Textiles – Fabrics – Determination of mass per unit area using small samples

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DIN 52451-1
2015-07 Testing of sealing in building construction – Part 1: Determination of change in mass and volume of self-levelling sealants after treatment at elevated temperature
(standard withdrawn)

ASTM D 792
2020 Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement

1.7 Abrasion testing

DIN ISO 4649
2021-06 Rubber, vulcanised or thermoplastic – Determination of abrasion resistance using a rotating cylindrical drum device

DIN ISO 9352
2018-08 Plastics – Determination of resistance to wear by abrasive wheels

DIN EN ISO 105-X12
2016-11 Textiles – Tests for colour fastness – Part X12: Colour fastness to rubbing

DIN EN ISO 5470-1
2017-04 Rubber- or plastics-coated fabrics – Determination of abrasion resistance – Part 1: Taber abrader

DIN EN 438-2
2019-03 High-pressure decorative laminates (HPL) – Sheets based on thermosetting resins (usually called laminates) – Part 2: Determination of properties
(only sections 10 and 11)

DIN 53754
1977-06 Testing of plastics; determination of abrasion, abrasive disk method
(standard withdrawn)

ASTM D 4060
2019 Standard Test Method for Abrasion Resistance of Organic Coatings by the Taber Abraser

1.8 Diffusion testing

ISO 2528
2017-10 Sheet materials – Determination of water vapour transmission rate (WVTR) – Gravimetric (dish) method

DIN EN ISO 12572
2017-05 Hygrothermal performance of building materials and products – Determination of water vapour transmission properties – Cup method

DIN EN ISO 15106-3
2005-05 Plastics – Film and sheeting – Determination of water vapour transmission rate – Part 3: Electrolytic detection sensor method

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DIN EN 1928 2000-07	Flexible sheets for waterproofing – Bitumen, plastic and rubber sheets for roof waterproofing – Determination of watertightness
DIN EN 1931 2001-03	Flexible sheets for waterproofing – Bitumen, plastic and rubber sheets for roof waterproofing – Determination of water vapour transmission properties
DIN 53122-1 2001-08	Testing of plastics and elastomer films, paper, board and other sheet materials – Determination of water vapour transmission – Part 1: Gravimetric method
DIN 53380-3 1998-07	Testing of plastics – Determination of gas transmission rate – Part 3: Oxygen-specific carrier gas method for testing of plastic films and plastics mouldings
ASTM D 570 2010	Standard Test Method for Water Absorption of Plastics
ASTM D 3985 2017	Standard Test Method for Oxygen Gas Transmission Rate Through Plastic Film and Sheeting Using a Coulometric Sensor

1.9 Creep testing

ISO 16770 2019-09	Plastics – Determination of environmental stress cracking (ESC) of polyethylene – Full-notch creep test (FNCT)
DIN ISO 132 2015-06	Rubber, vulcanized or thermoplastic – Determination of flex cracking and crack growth (De Mattia) <i>(standard withdrawn)</i>
DIN ISO 815-1 2016-09	Rubber, vulcanized or thermoplastic – Determination of compression set – Part 1: At ambient or elevated temperatures
DIN ISO 815-2 2016-09	Rubber, vulcanized or thermoplastic – Determination of compression set – Part 2: At low temperatures
DIN EN ISO 899-1 2018-03	Plastics – Determination of creep behaviour – Part 1: Tensile creep
DIN EN ISO 899-2 2015-06	Plastics – Determination of creep behaviour – Part 2: Flexural creep by three-point loading

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DIN 53359 2006-11	Testing of artificial leather and similar sheet materials – Flex cracking test
ASTM D 1693 2015	Standard Test Method for Environmental Stress-Cracking of Ethylene Plastics
ASTM D 5397a 2020	Standard Test Method for Evaluation of Stress Crack Resistance of Polyolefin Geomembranes Using Notched Constant Tensile Load Test

1.10 Fire testing

ISO 3795 1989-10	Road vehicles and tractors and machinery for agriculture and forestry – Determination of burning behaviour of interior materials
95/28/CE 1995-10	Directive 95/28/EC of the European Parliament and of the Council of 24 October 1995 relating to the burning behaviour of materials used in the interior construction of certain categories of motor vehicle (<i>only annex IV: Test to determine the horizontal burning rate of materials</i>)
DIN EN ISO 9773 2004-02	Plastics – Determination of burning behaviour of thin flexible vertical specimens in contact with a small-flame ignition source
DIN EN ISO 11925-2 2020-07	Reaction to fire tests – Ignitability of products subjected to direct impingement of flame – Part 2: Single-flame source test
DIN EN 13501-1 2019-05	Fire classification of construction products and building elements – Part 1: Classification using data from reaction to fire tests
DIN EN 60695-2-11 2014-11	Fire hazard testing – Part 2-11: Glowing/hot-wire based test methods – Glow-wire flammability test method for end-products (GWEPT)
DIN EN 60695-2-12 2015-01	Fire hazard testing – Part 2-12: Glowing/hot-wire based test methods – Glow-wire flammability index (GWFI) test method for materials
DIN EN 60695-2-13 2015-01	Fire hazard testing – Part 2-13: Glowing/hot-wire based test methods – Glow-wire ignition temperature (GWIT) test method for materials

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DIN EN 60695-11-10 2014-10	Fire hazard testing – Part 11-10: Test flames – 50 W horizontal and vertical flame test methods
DIN 4102-1 1998-05	Fire behaviour of building materials and building components – Part 1: Building components; Definitions, requirements and testing (here <i>only sections 6.2 and 6.3</i>)
DIN 53438-2 1984-06	Testing of combustible materials; response to ignition by a small flame; edge ignition
DIN 53438-3 1984-06	Testing of combustible materials; response to ignition by a small flame; surface ignition
DIN 75200 1980-09	Determination of burning behaviour of interior materials in motor vehicles
ASTM D 635 2018	Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position
MVSS 302 1998-09	Motor vehicle safety standards; flammability of interior materials – multi-purpose passenger cars, passenger cars, trucks and buses
UL 94 2013	Standard for Safety for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances

1.11 Weld seam testing

ISO 13953 2001-09 Corrigendum 1:2020-04	Polyethylene(PE) pipes and fittings – Determination of the tensile strength and failure mode of test pieces from a butt-fused joint
DIN EN 12814-1 1999-12 Corrigendum 1 2004-01	Testing of welded joints of thermoplastics semi-finished products – Part 1: Bend test
DIN EN 12814-2 2021-03	Testing of welded joints of thermoplastics semi-finished products – Part 2: Tensile test
DIN EN 12814-3 2014-07	Testing of welded joints of thermoplastics semi-finished products – Part 3: Tensile creep

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DIN EN 12814-4 2018-08	Testing of welded joints of thermoplastics semi-finished products – Part 4: Peel test
DIN EN 12814-5 2000-10	Testing of welded joints of thermoplastics semi-finished products – Part 5: Macroscopic examination
DIN EN 12814-6 2000-03	Testing of welded joints of thermoplastics semi-finished products – Part 6: Low temperature tensile test
DIN EN 12814-7 2003-01	Testing of welded joints of thermoplastics semi-finished products – Part 7: Tensile test with waisted test specimens
DVS 2202 2016:08	Evaluation of joints between thermoplastics on piping parts and panels – Characteristics, description, evaluation (<i>only section 5</i>)
DVS 2203-2 2010-08	Testing of welded joints between panels and pipes made of thermoplastics – Tensile test
DVS 2203-3 2011-04	Testing of welded joints between panels and pipes made of thermoplastics – Tensile impact test
DVS 2203-4 1997-07	Testing of welded joints of thermoplastics plates and tubes – Tensile creep test
DVS 2203-4 Supplementary sheet 1 2001-12	Testing of welded joints of thermoplastic sheets and pipes – Tensile creep test – Testing of socket joints
DVS 2203-4 Supplementary sheet 2 2016-09	Testing of welded joints of thermoplastic panels and pipes – Tensile creep test for resistance to slow crack growth in the full notch creep test (FNCT)
DVS 2203-5 1999-08	Testing of welded joints of thermoplastics plates and tubes – Technological bend test
DVS 2203-6 Supplementary sheet 1 2016-08	Testing of joints between polymeric materials – Torsion shear test, radial peel test and linear shear test for sleeve welding with incorporated electric heating element and heated tool sleeve welded joints

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DVS 2206-1 2011-09	Non-destructive tests on tanks, apparatus and piping made of thermoplastics – Dimensional checking and visual inspection
DVS 2207-25 1989-10	Welding of thermoplastics – Heated tool butt welding – Welding of casements sections made from PVC-U <i>(only section 10)</i> <i>(standard withdrawn)</i>
DVS 2215-1 2010-09	Heated tool welding of mouldings made of thermoplastics in series fabrication <i>(only section 9)</i>
DVS 2226-2 1997-07	Testing of fused joints on liners of polymer materials – Lap shear test
DVS 2226-3 1997-07	Test of fusions on PE liners – Peeling test
DVS 2226-4 2000-11	Testing of fused joints on liners of polymer materials – Tensile creep test on PE

1.12 Dimension testing

ISO 4592 1992-12	Plastics; film and sheeting; determination of length and width
ISO 4603 1993-11	Textile glass; woven fabrics; determination of thickness
DIN ISO 23529 2020-10	Rubber – General procedures for preparing and conditioning test pieces for physical test methods <i>(only sections 2 - 10)</i>
DIN EN ISO 23997 2012-04	Resilient floor coverings – Determination of mass per unit area
DIN EN ISO 23999 Draft 2021-03	Resilient floor coverings – Determination of dimensional stability and curling after exposure to heat
DIN EN ISO 24342 2019-03	Resilient and textile floor-coverings – Determination of side length, edge straightness and squareness of tiles

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DIN EN 60454-2 2008-05	Pressure-sensitive adhesive tapes for electrical purposes – Part 2: Test method <i>(only: section 6.3 method B length sensor method)</i>
DIN 53370 2006-11	Testing of plastics films – Determination of the thickness by mechanical scanning <i>(standard withdrawn)</i>
DIN 53377 2015-04	Testing of plastic films – Determination of dimensional stability
DIN 53477 2018-09	Testing of plastics; determination of particle size distribution of moulding materials by dry sieving analysis
ASTM D 1204 2014-03	Standard Test Method for Linear Dimensional Changes of Nonrigid Thermoplastic Sheeting or Film at Elevated Temperature

2 Component and semi-finished product testing

2.1 Pipe testing

2.1.1 Pipe systems

ISO 306 2013-11	Plastics – Thermoplastic materials – Determination of Vicat softening temperature (VST)
ISO 4427-1 2019-08	Plastics piping systems for water supply, and for drainage and sewerage under pressure – Polyethylene (PE) – Part 1: General <i>(only section 5)</i>
ISO 4427-2 2019-08	Plastics piping systems for water supply, and for drainage and sewerage under pressure – Polyethylene (PE) – Part 2: Pipes <i>(only sections 6 - 9)</i>
ISO 4427-3 2019-08	Plastics piping systems for water supply, and for drainage and sewerage under pressure – Polyethylene (PE) – Part 3: Fittings <i>(only sections 6 - 9)</i>
ISO 4427-5 2019-08	Plastics piping systems for water supply, and for drainage and sewerage under pressure – Polyethylene (PE) – Part 5: Fitness for purpose of the system <i>(only section 4)</i>

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ISO 4437-1 2014-01	Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 1: General <i>(only section 6)</i>
ISO 4437-2 2014-01	Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 2: Pipes <i>(only sections 6 - 8)</i>
ISO 4437-3 2014-01	Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 3: Fittings <i>(only sections 6 - 8)</i>
ISO 4437-5 2014-01	Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 5: Fitness for purpose of the system <i>(only section 4)</i>
ISO 4439 1979-07	Polyvinyl chloride (PVC-U) pipes and fittings; determination of density and required characteristic value
ISO 5208 2015-06	Industrial valves – Pressure testing of metallic valves
ISO 6259-3 2015-06	Thermoplastics pipes – Determination of tensile properties – Part 3: Polyolefin pipes
ISO 6722-1 2011-10	Road vehicles – 60 V and 600 V single-core cables – Part 1: Dimensions, test methods and requirements for copper conductor cables (Road vehicles – 60 V and 600 V single-core cables – Part 1: Dimensions, test methods and requirements for copper conductor cables) <i>(only sections: 5.5 Withstand voltage 5.8 Pressure test at high temperature 5.10 Low temperature winding 5.13 Long term heat ageing, 3 000 h)</i>
ISO 8483 2019-08	Glass-reinforced thermosetting plastics (GRP) pipes and fittings – Test methods to prove the design of bolted flange joints
ISO 8533 2019-08	Plastics piping systems for pressure and non-pressure drainage and sewerage – Glass-reinforced thermosetting plastics (GRP) systems based on unsaturated polyester (UP) resin – Test methods to prove the design of cemented or wrapped joints

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<p>ISO 9854-1 1994-12</p>	<p>Thermoplastics pipes for the transport of fluids – Determination of pendulum impact strength by the Charpy method – Part 1: General test method</p>
<p>ISO 9854-2 1994-12</p>	<p>Thermoplastics pipes for the transport of fluids – Determination of pendulum impact strength by the Charpy method – Part 2: Test conditions for pipes of various materials</p>
<p>ISO 10508 2006-03 AMD 1 2018-09</p>	<p>Plastics piping systems for hot and cold water installations – Guidance for classification and design <i>(only section 4 and annex A, including amendment 1)</i></p>
<p>ISO 12091 1995-12</p>	<p>Structured-wall thermoplastics pipes – Oven test</p>
<p>ISO 13477 2008-03</p>	<p>Thermoplastics pipes for the conveyance of fluids – Determination of resistance to rapid crack propagation (RCP) – Small-scale steady-state test (S4 test)</p>
<p>ISO 13480 1997-09</p>	<p>Polyethylene pipes – Resistance to slow crack growth – Cone test method</p>
<p>ISO 13954 1997-12 AMD 1 2020-04</p>	<p>Plastics pipes and fittings – Peel decohesion test for polyethylene (PE) electrofusion assemblies of nominal outside diameter greater than or equal to 90 mm</p>
<p>ISO 13955 1997-12 AMD 1 2020-04</p>	<p>Plastics pipes and fittings – Crushing decohesion test for polyethylene (PE) electrofusion assemblies</p>
<p>ISO 13956 2010-10</p>	<p>Plastics pipes and fittings – Decohesion test of polyethylene (PE) saddle fusion joints – Evaluation of ductility of fusion joint interface by tear test</p>
<p>ISO 13957 1997-12</p>	<p>Plastics pipes and fittings – Polyethylene (PE) tapping tees – Test method for impact resistance</p>

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ISO 13967 2009-12	Thermoplastics fittings – Determination of ring stiffness
ISO 14531-1 2002-12	Plastics pipes and fittings – Crosslinked polyethylene (PE-X) pipe systems for the conveyance of gaseous fuels; Metric series; Specifications – Part 1: Pipes <i>(only sections 4 and 5)</i>
ISO 14531-2 2004-07	Plastics pipes and fittings – Crosslinked polyethylene (PE-X) pipe systems for the conveyance of gaseous fuels; Metric series; Specifications – Part 2: Fittings for heat-fusion jointing <i>(only sections 4 - 5 and annexes A - D)</i>
ISO 14531-3 2010-12	Plastics pipes and fittings – Crosslinked polyethylene (PE-X) pipe systems for the conveyance of gaseous fuels; Metric series; Specifications – Part 3: Fittings for mechanical jointing (including PE-X/metal transitions) <i>(only sections 4 - 5 and annexes A, B, C and E)</i>
ISO 16486-1 2020-08	Plastics piping systems for the supply of gaseous fuels – Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing – Part 1: General <i>(only section 5, annexes A -C)</i>
ISO 16486-2 2020-09	Plastics piping systems for the supply of gaseous fuels – Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing – Part 2: Pipes <i>(only sections 5-9, annex A)</i>
ISO 16486-3 2020-09	Plastics piping systems for the supply of gaseous fuels – Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing – Part 3: Fittings <i>(only sections 5-11, annexes B and C)</i>
ISO 16486-5 2021-05	Plastics piping systems for the supply of gaseous fuels – Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing – Part 5: Fitness for purpose of the system <i>(only section 4, annexes A -C)</i>
ISO 16871 2003-05	Plastics piping and ducting systems – Plastics pipes and fittings – Method for exposure to direct (natural) weathering

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ISO 17454 2006-02	Plastics piping systems – Multilayer pipes – Test method for the adhesion of the different layers using a pulling rig
ISO 17456 2006-09	Plastics piping systems – Multilayer pipes – Determination of long-term strength
ISO 17885 2015-09 AMD 1 2016-08	Plastics piping systems – Mechanical fittings for pressure piping systems – Specifications <i>(only sections 6, 8, 9 and annexes A - G)</i>
ISO 19899 2010-09	Plastics piping systems – Polyolefin pipes and mechanical fitting assemblies – Test method for the resistance to end load (AREL test)
EN ISO 13479 2009-09	Polyolefin pipes for the conveyance of fluids – Determination of resistance to crack propagation – Test method for slow crack growth on notched pipes
DIN EN ISO 306 2014-03	Plastics – Thermoplastic materials – Determination of Vicat softening temperature (VST)
DIN EN ISO 580 2005-05	Plastics piping and ducting systems – Injection-moulded thermoplastics fittings – Methods for visually assessing the effects of heating
DIN EN ISO 1167-1 2006-05	Thermoplastics pipes, fittings and assemblies for the conveyance of fluids – Determination of the resistance to internal pressure – Part 1: General test method <i>(only section 10)</i>
DIN EN ISO 1167-2 2006-05	Thermoplastics pipes, fittings and assemblies for the conveyance of fluids – Determination of the resistance to internal pressure – Part 2: Preparation of pipe test pieces
DIN EN ISO 1167-3 2008-02	Thermoplastics pipes, fittings and assemblies for the conveyance of fluids – Determination of the resistance to internal pressure – Part 3: Preparation of components
DIN EN ISO 1167-4 2008-02	Thermoplastics pipes, fittings and assemblies for the conveyance of fluids – Determination of the resistance to internal pressure – Part 4: Preparation of assemblies

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DIN EN ISO 1452-2 2010-04	Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure – Unplasticized poly(vinyl chloride) (PVC-U) – Part 2: Pipes <i>(only sections 4, 5.1, 6, 8 and 9)</i>
DIN EN ISO 1452-3 2010-04	Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure – Unplasticized poly(vinyl chloride) (PVC-U) – Part 3: Fittings <i>(only sections 4, 5.1, 6, 8 and 9)</i>
DIN EN ISO 1452-4 2010-04	Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure – Unplasticized poly(vinyl chloride) (PVC-U) – Part 4: Valves <i>(only sections 4, 5.1, 8 and 9)</i>
DIN EN ISO 1452-5 2010-04	Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure – Unplasticized poly(vinyl chloride) (PVC-U) – Part 5: Fitness for purpose of the system <i>(only section 4)</i>
DIN EN ISO 2505 2005-08	Thermoplastics pipes – Longitudinal reversion – Test methods and parameters
DIN EN ISO 2507-1 2018-01	Thermoplastics pipes and fittings – Vicat softening temperature – Part 1: General test method
DIN EN ISO 2507-2 2018-01	Thermoplastics pipes and fittings – Vicat softening temperature – Part 2: Test conditions for unplasticized poly(vinyl chloride) (PVC-U) or chlorinated poly(vinyl chloride) (PVC-C) pipes and fittings and for high impact resistance poly(vinyl chloride) (PVC-HI) pipes
DIN EN ISO 2507-3 2018-01	Thermoplastics pipes and fittings – Vicat softening temperature – Part 3: Test conditions for acrylonitrile/butadiene/styrene (ABS) and acrylonitrile/styrene/acrylic ester (ASA) pipes and fittings
DIN EN ISO 3126 2005-05	Plastics piping systems – Plastics components – Determination of dimensions
DIN EN ISO 3127 2018-01	Thermoplastics pipes – Determination of resistance to external blows – Round-the-clock method
DIN EN ISO 3458 2015-08	Plastic piping systems – Mechanical joints between fittings and pressure pipes – Test method for leaktightness under internal pressure

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DIN EN ISO 3459 2015-06	Plastic piping systems – Mechanical joints between fittings and pressure pipes – Test method for leaktightness under negative pressure
DIN EN ISO 3501 2015-06	Plastics piping systems – Mechanical joints between fittings and pressure pipes – Test method for resistance to pull-out under constant longitudinal force
DIN EN ISO 3503 2015-06	Plastics piping systems – Mechanical joints between fittings and pressure pipes – Test method for leaktightness under internal pressure of assemblies subjected to bending
DIN EN ISO 6259-1 2015-08	Thermoplastics pipes – Determination of tensile properties – Part 1: General test method (<i>only section 9</i>)
DIN EN ISO 9080 2013-02	Plastics piping and ducting systems – Determination of the long-term hydrostatic strength of thermoplastics materials in pipe form by extrapolation
DIN EN ISO 9311-3 2005-06	Adhesives for thermoplastic piping systems – Part 3: Test method for the determination of resistance to internal pressure
DIN EN ISO 9852 2018-01	Unplasticized poly(vinyl chloride) (PVC-U) pipes – Dichloromethane resistance at specified temperature (DCMT) – Test method
DIN EN ISO 9967 2016-07	Thermoplastics pipes – Determination of creep ratio
DIN EN ISO 9969 2016-06	Thermoplastics pipes – Determination of ring stiffness
DIN EN ISO 11173 2018-02	Thermoplastics pipes – Determination of resistance to external blows – Staircase method
DIN EN ISO 12162 2010-04	Thermoplastics materials for pipes and fittings for pressure applications – Classification, designation and design coefficient (<i>only sections 4 and 7, annex A</i>)
DIN EN ISO 13056 2018-12	Plastics piping systems – Pressure systems for hot and cold water – Test method for leaktightness under vacuum

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DIN EN ISO 13254 2018-01	Thermoplastics piping systems for non-pressure applications – Test method for watertightness
DIN EN ISO 13255 2018-01	Thermoplastics piping systems for soil and waste discharge inside buildings – Test method for airtightness of joints
DIN EN ISO 13257 2019-04	Thermoplastics piping systems for non-pressure applications – Test method for resistance to elevated temperature cycling
DIN EN ISO 13259 2020-10	Thermoplastics piping systems for underground non-pressure applications – Test method for leaktightness of elastomeric sealing ring type joints
DIN EN ISO 13262 2018-01	Thermoplastics piping systems for non-pressure underground drainage and sewerage – Thermoplastics spirally-formed structured-wall pipes – Determination of the tensile strength of a seam
DIN EN ISO 13263 2018-01	Thermoplastics piping systems for non-pressure underground drainage and sewerage – Thermoplastics fittings – Test method for impact strength
DIN EN ISO 13264 2018-01	Thermoplastics piping systems for non-pressure underground drainage and sewerage – Thermoplastics fittings – Test method for mechanical strength or flexibility of fabricated fittings
DIN EN ISO 13479 Draft 2020-09	Polyolefin pipes for the conveyance of fluids – Determination of resistance to crack propagation – Test method for slow crack growth on notched pipes
DIN EN ISO 13783 1998-07	Plastics piping systems – Unplasticized poly(vinyl chloride) (PVC-U) end-load-bearing double-socket joints – Test method for leaktightness and strength while subjected to bending and internal pressure
DIN EN ISO 13844 2015-06	Plastics piping systems – Elastomeric-sealing-ring-type socket joints for use with plastic pressure pipes – Test method for leaktightness under negative pressure, angular deflection and deformation
DIN EN ISO 13845 2015-05	Plastics piping systems – Elastomeric-sealing-ring-type socket joints for use with thermoplastic pressure pipes – Test method for leaktightness under internal pressure and with angular deflection

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DIN EN ISO 13968 2009-01	Plastics piping and ducting systems – Thermoplastics pipes – Determination of ring flexibility
DIN EN ISO 15493 2017-07	Plastics piping systems for industrial applications – Acrylonitrile-butadiene-styrene (ABS), unplasticized poly(vinyl chloride) (PVC-U) and chlorinated poly(vinyl chloride) (PVC-C) – Specifications for components and the system – Metric series <i>(only section 7, annexes A -C)</i>
DIN EN ISO 15874-2 2018-11 15874-2	Plastics piping systems for hot and cold water installations – Polypropylene (PP) – Part 2: Pipes – Amendment 2 <i>(only sections 4, 5, 7 and 8)</i>
DIN EN ISO 15874-3 2018-11	Plastics piping systems for hot and cold water installations – Polypropylene (PP) – Part 3: Fittings <i>(only sections 4, 5, 7 and 8)</i>
DIN EN ISO 15874-5 2019-06	Plastics piping systems for hot and cold water installations – Polypropylene (PP) – Part 5: Fitness for purpose of the system <i>(only section 4)</i>
DIN EN ISO 15875-2 2021-03	Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Part 2: Pipes <i>(only sections 4, 5.1, 7 - 8)</i>
DIN EN ISO 15875-3 2021-03	Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Part 3: Fittings <i>(only sections 4, 5.1, 6 - 8)</i>
DIN EN ISO 15875-5 2021-03	Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Part 5: Fitness for purpose of the system <i>(only section 4)</i>
DIN EN ISO 15876-2 2021-03	Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 2: Pipes <i>(only sections 4, 5.1, 6 and 7)</i>
DIN EN ISO 15876-3 2021-03	Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 3: Fittings <i>(only sections 4, 5.1, 6 and 7)</i>

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DIN EN ISO 15876-5 2021-03	Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 5: Fitness for purpose of the system <i>(only section 4)</i>
DIN EN ISO 15877-1 2011-03	Plastics piping systems for hot and cold water installations – Chlorinated poly(vinyl chloride) (PVC-C) – Part 1: General <i>(only annex A)</i>
DIN EN ISO 15877-2 2021-03	Plastics piping systems for hot and cold water installations – Chlorinated poly(vinyl chloride) (PVC-C) – Part 2: Pipes <i>(only sections 4, 7 and 8)</i>
DIN EN ISO 15877-3 2011-03	Plastics piping systems for hot and cold water installations – Chlorinated poly(vinyl chloride) (PVC-C) – Part 3: Fittings <i>(only sections 4 and 7)</i>
DIN EN ISO 15877-5 2021-03	Plastics piping systems for hot and cold water installations – Chlorinated poly(vinyl chloride) (PVC-C) – Part 5: Fitness for purpose of the system <i>(only section 4)</i>
DIN EN ISO 17778 2015-06	Plastics piping systems – Fittings, valves and ancillaries – Determination of gaseous flow rate/pressure drop relationships <i>(only sections 5 - 7)</i>
DIN EN ISO 19892 2018-12	Plastics piping systems – Thermoplastics pipes and fittings for hot and cold water – Test method for the resistance of joints to pressure cycling
DIN EN ISO 19893 2018-12	Plastics piping systems – Thermoplastics pipes and fittings for hot and cold water – Test method for the resistance of mounted assemblies to temperature cycling
DIN EN ISO 21003-2 2011-07	Multilayer piping systems for hot and cold water installations inside buildings – Part 2: Pipes <i>(only sections 9 - 14)</i>
DIN EN ISO 21003-3 2008-11	Multilayer piping systems for hot and cold water installations inside buildings – Part 3: Fittings <i>(only sections 5, 8 and 9)</i>

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DIN EN ISO 21003-5 2008-11	Multilayer piping systems for hot and cold water installations inside buildings – Part 5: Fitness for purpose of the system <i>(only section 5)</i>
DIN EN ISO 22391-2 2021-03	Plastics piping systems for hot and cold water installations – Polyethylene of raised temperature resistance (PE-RT) – Part 2: Pipes <i>(only sections 4, 7 and 8)</i>
DIN EN ISO 22391-3 2021-03	Plastics piping systems for hot and cold water installations – Polyethylene of raised temperature resistance (PE-RT) – Part 3: Fittings <i>(only sections 4, 7 and 8)</i>
DIN EN ISO 22391-5 2010-04	Plastics piping systems for hot and cold water installations – Polyethylene of raised temperature resistance (PE-RT) – Part 5: Fitness for purpose of the system <i>(only section 4)</i>
DIN EN 253 2020-03	District heating pipes – Bonded single pipe systems for directly buried hot water networks – Factory made pipe assembly of steel service pipe, polyurethane thermal insulation and a casing of polyethylene <i>(except sections</i> <i>5.4.3 Thermal conductivity in the unaged condition</i> <i>5.4.4 Thermal conductivity in artificially aged condition</i>
DIN EN 274-2 2002-05	Waste fittings for sanitary appliances – Part 2: Test method
DIN EN 476 2011-04	General requirements for components used in drains and sewers <i>(only section 7)</i>
DIN EN 607 2005-02	Eaves gutters and fittings made of PVC-U – Definitions, requirements and testing <i>(only sections 7, 9, 14 and annexes B - D)</i>
DIN EN 681-1 2006-11	Elastomeric seals – Material requirements for pipe joint seals used in water and drainage applications – Part 1: Vulcanized rubber <i>(only sections 4.2.5 - 4.2.8, 4.2.10, 4.3, annexes A - C)</i>

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DIN EN 681-2 2006-11	Elastomeric seals – Material requirements for pipe joint seals used in water and drainage applications – Part 2: Thermoplastic elastomers <i>(only sections 5.3 - 5.8, 5.10 and 6)</i>
DIN EN 681-4 2006-11	Elastomeric seals – Material requirements for pipe joint seals used in water and drainage applications – Part 4: Cast polyurethane sealing elements <i>(only sections 4.2, 5, 7 - 9)</i>
DIN EN 705 1994-08	Plastics piping systems – Glass-reinforced thermosetting plastics (GRP) pipes and fittings – Methods for regression analyses and their use
DIN EN 802 1994-09	Plastics piping and ducting systems – Injection-moulded thermoplastics fittings for pressure piping systems – Test method for maximum deformation by crushing
DIN EN 917 1997-03	Plastics piping systems – Thermoplastics valves – Test methods for resistance to internal pressure and leaktightness
DIN EN 1055 1996-03	Plastics piping systems – Thermoplastics piping systems for soil and waste discharge inside buildings – Test method for resistance to elevated temperature cycling <i>(standard withdrawn)</i>
DIN EN 1119 2009-07	Plastics piping systems – Joints for glass-reinforced thermosetting plastics (GRP) pipes and fittings – Test methods for leaktightness and resistance to damage of non-thrust resistant flexible joints with elastomeric sealing elements
DIN EN 1277 2004-03	Plastics piping systems – Thermoplastics piping systems for buried non-pressure applications – Test methods for leaktightness of elastomeric sealing ring type joints <i>(standard withdrawn)</i>
DIN EN 1329-1 2018-05	Plastics piping systems for soil and waste discharge (low and high temperature) inside the building structure – Unplasticized poly(vinyl chloride) (PVC-U) – Part 1: Specifications for pipes, fittings and the system <i>(only sections 5 - 9)</i>
DIN EN 1401-1 2019-09	Plastics piping systems for non-pressure underground drainage and sewerage – Unplasticized poly(vinyl chloride) (PVC-U) – Part 1: Specifications for pipes, fittings and the system <i>(only sections 5 - 10, NB, NC)</i>

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DIN EN 1411 1996-03	Plastics piping and ducting systems – Thermoplastics pipes – Determination of resistance to external blows by the staircase method <i>(standard withdrawn)</i>
DIN EN 1447 2011-01	Plastics piping systems – Glass-reinforced thermosetting plastics (GRP) pipes – Determination of long-term resistance to internal pressure
DIN EN 1451-1 2018-10	Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure – Polypropylene (PP) – Part 1: Specifications for pipes, fittings and the system <i>(only sections 6, 8 - 10)</i>
DIN EN 1453-1 2017-09	Plastics piping systems with structured-wall pipes for soil and waste discharge (low and high temperature) inside buildings – Unplasticized poly(vinyl chloride) (PVC-U) – Part 1: Specifications for pipes and the system <i>(only sections 5.1, 6 - 8)</i>
DIN EN 1455-1 1999-12	Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure – Acrylonitrile-butadiene-styrene (ABS) – Part 1: Specifications for pipes, fittings and the system <i>(only sections 6 - 10)</i>
DIN EN 1519-1 2019-07	Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure – Polyethylene (PE) – Part 1: Specifications for pipes, fittings and the system <i>(only sections 5 - 9)</i>
DIN EN 1555-1 2010-12	Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 1: General <i>(only section 4)</i>
DIN EN 1555-2 2010-12	Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 2: Pipes <i>(only sections 5.1, 7 and 8)</i>
DIN EN 1555-3 2013-01	Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 3: Fittings <i>(only sections 5.1, 7 and 8)</i>

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DIN EN 1555-4 2011-07	Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 4: Valves <i>(only sections 5.1, 7 and 8)</i>
DIN EN 1555-5 2010-12	Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 5: Fitness for purpose of the system <i>(only section 4)</i>
DIN EN 1566-1 1999-12	Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure – Chlorinated poly(vinyl chloride) (PVC-C) – Part 1: Specifications for pipes, fittings and the system <i>(only sections 5.1, 6 - 8 and 10)</i>
DIN EN 1705 1997-01	Plastics piping systems – Thermoplastics valves – Test method for the integrity of a valve after an external blow
DIN EN 1716 1997-03	Plastics piping systems – Polyethylene (PE) tapping tees – Test method for impact resistance of an assembled tapping tee
DIN EN 1852-1 2018-03	Plastics piping systems for non-pressure underground drainage and sewerage – Polypropylene (PP) – Part 1: Specifications for pipes, fittings and the system <i>(only sections 6, 8 - 10)</i>
DIN EN 10242 1995-03	Threaded pipe fittings in malleable cast iron <i>(only sections 10 and 11)</i>
DIN EN 10242/A1 1999-06	Threaded pipe fitting in malleable cast iron; Amendment 1
DIN EN 10242/A2 2003-06	Threaded pipe fitting in malleable cast iron; Amendment 2
DIN EN 12201-1 2011-11	Plastics piping systems for water supply, and for drainage and sewerage under pressure – Polyethylene (PE) – Part 1: General <i>(only section 4, annex NA)</i>
DIN EN 12201-2 2013-12	Plastics piping systems for water supply, and for drainage and sewerage under pressure – Polyethylene (PE) – Part 2: Pipes <i>(only sections 5.1, 6 - 8)</i>

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DIN EN 12201-3 2013-01	Plastics piping systems for water supply, and for drainage and sewerage under pressure – Polyethylene (PE) – Part 3: Fittings <i>(only sections 5.1, 5.5, 6 - 8, annexes A and B)</i>
DIN EN 12201-4 2012-04	Plastics piping systems for water supply, and for drainage and sewerage under pressure – Polyethylene (PE) – Part 4: Valves <i>(only sections 5.1, 7, 8 and annex A)</i>
DIN EN 12201-5 2011-11	Plastics piping systems for water supply, and for drainage and sewerage under pressure – Polyethylene (PE) – Part 5: Fitness for purpose of the system <i>(only section 4)</i>
DIN EN 12293 1999-09	Plastics piping systems – Thermoplastics pipes and fittings for hot and cold water – Test method for the resistance of mounted assemblies to temperature cycling <i>(standard withdrawn)</i>
DIN EN 12294 1999-10	Plastics piping systems – Systems for hot and cold water – Test method for leaktightness under vacuum <i>(standard withdrawn)</i>
DIN EN 12295 1999-10	Plastics piping systems – Thermoplastics pipes and associated fittings for hot and cold water – Test methods for resistance of joints to pressure cycling <i>(standard withdrawn)</i>
DIN EN 12666-1 2020-08	Plastics piping systems for non-pressure underground drainage and sewerage – Polyethylene (PE) – Part 1: Specifications for pipes, fittings and the system <i>(only sections 4, 5.1, 6 - 9, annex NA)</i>
DIN EN 13476-2 2020-12	Plastics piping systems for non-pressure underground drainage and sewerage – Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) – Part 2: Specifications for pipes and fittings with smooth internal and external surface and the system, Type A <i>(only sections 4, 6, 8 - 10)</i>
DIN EN 13476-3 2020-12	Plastics piping systems for non-pressure underground drainage and sewerage – Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) – Part 3: Specifications for pipes and fittings with smooth internal and profiled external surface and the system, Type B <i>(only sections 4, 6, 8 - 10)</i>

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DIN EN 14364 2013-05	Plastics piping systems for drainage and sewerage with or without pressure – Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP) – Specifications for pipes, fittings and joints <i>(only sections 5 - 7)</i>
DIN EN 14525 Draft 2020-08	Ductile iron wide tolerance couplings and flange adaptors for use with pipes of different materials: Ductile iron, grey iron, steel, PVC-U, PE, fibre-cement <i>(only sections 5 - 7)</i>
DIN EN 14636-1 2010-04	Plastics piping systems for non-pressure drainage and sewerage – Polyester resin concrete (PRC) – Part 1: Pipes and fittings with flexible joints <i>(only annexes A - G)</i>
DIN EN 14680 2015-12	Adhesives for non-pressure thermoplastic piping systems – Specifications <i>(only sections 4, 5 and 6.2)</i>
DIN EN 14758-1 2012-05	Plastics piping systems for non-pressure underground drainage and sewerage – Polypropylene with mineral modifiers (PP-MD) – Part 1: Specifications for pipes, fittings and the system <i>(only sections 4, 5.1, 6 - 8)</i>
DIN EN 14814 2016-09	Adhesives for thermoplastic piping systems for fluids under pressure – Specifications <i>(only sections 4, 5 and 6.2)</i>
DIN EN 15632-1 Draft 2021-01	District heating pipes – Pre-insulated flexible pipe systems – Part 1: Classification, general requirements and test methods
DIN EN 15632-2 Draft 2021-01	District heating pipes – Pre-insulated flexible pipe systems – Part 2: Bonded plastic service pipes – Requirements and test methods <i>(only section 6, except sections 5.2.2 - 5.5)</i>
DIN EN 15632-3 Draft 2021-01	District heating pipes – Pre-insulated flexible pipe systems – Part 3: Non bonded system with plastic service pipes – requirements and test methods <i>(only section 5, except sections 4.2.2 - 4.6)</i>
DIN EN 28233 1991-06	Thermoplastics valves; torques; test method

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DIN EN 60684-2 2012-05	Flexible insulating sleeving – Part 2: Test method <i>(only sections 3.1 Diameter 3.3 Minimum and maximum wall thickness and concentricity of extruded sleeving 19.2 Tensile strength and elongation at break of the entire sleeve section)</i>
DIN EN 61386-1 2020-08	Conduit systems for cable management – Part 1: General requirements + A1:2019 <i>(only sections 5, 10 - 13)</i>
DIN EN IEC 61386-21 /AA 2021-03	Conduit systems for cable management – Part 21: Particular requirements – Rigid conduit systems <i>(only sections 10 and 12)</i>
DIN EN IEC 61386-22 /AA 2021-03	Conduit systems for cable management – Part 22: Particular requirements – Pliable conduit systems <i>(only sections 10 - 12)</i>
DIN EN 61386-23 2011-12	Conduit systems for cable management – Part 23: Particular requirements – Flexible conduit systems <i>(only sections 10 - 12)</i>
DIN EN 61386-24 2011-08	Conduit systems for cable management – Part 24: Particular requirements – Conduit systems buried underground <i>(only section 10)</i>
AS/NZS 1477 2017	PVC pipes and fittings for pressure applications <i>(only sections 3.3 - 3.6)</i>
AS/NZS 2492 2007	Cross-linked polyethylene (PE-X) pipes for pressure applications <i>(only sections 3 and 4)</i>
AS/NZS 2537.2 2011	Mechanical jointing fittings for use with crosslinked polyethylene (PE-X) for pressure applications Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Fittings <i>(only sections 4, 7 and 8)</i>
AS/NZS 2537.3 2011	Mechanical jointing fittings for use with crosslinked polyethylene (PE-X) for pressure applications Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Fitness for purpose of the system <i>(only section 5)</i>

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AS 4176.2 2010	Multilayer pipes for pressure applications Multilayer piping systems for hot and cold water plumbing applications – Pipes <i>(only sections 9 - 12, 14 and annexes B - E)</i>
AS 4176.3 2010	Multilayer pipes for pressure applications Multilayer piping systems for hot and cold water plumbing applications – Fittings <i>(only section 5)</i>
AS 4176.5 2010	Multilayer pipes for pressure applications Multilayer piping systems for hot and cold water plumbing applications – Fitness for purpose of the system <i>(only section 5)</i>
DIN 1187 1982-11	Unplasticized polyvinyl chloride (PVC-U) drainpipes; Dimensions, requirements, testing
DIN 1389 2015-12	WC connectors – Requirements and testing
DIN 3544-1 1985-09	High-density polyethylene (HDPE) valves; tapping valves; requirements and test
DIN 4060 2016-07	Joints of sewer and drain pipes with elastomeric seals – Requirements and testing on joints with elastomeric seals
DIN 4262-1 2009-10	Pipes and fittings for subsoil drainage of trafficked areas and underground engineering – Part 1: Pipes, fittings and their joints made from PVC-U, PP and PE <i>(only sections 6 - 9)</i>
DIN 4262-3 2010-10	Pipes and fittings for subsoil drainage of trafficked areas and underground engineering – Part 3: Pipes and fittings made from concrete and their joints <i>(only sections 5.2 and 6)</i>
DIN 4266-1 2011-11	Drainage pipes for landfills – Part 1: Drainage pipes made from PE and PP <i>(only sections 5, 6 and annex A)</i>
DIN 4724 2020-11	Plastic piping systems for warm water floor heating systems and radiator pipe connecting – Crosslinked polyethylene of medium density (PE-MDX) <i>(only sections 5 to 7)</i>

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DIN 4726 2017-10	Warm water surface heating systems and radiator connecting systems – Plastics piping systems and multilayer piping systems <i>(only section 5)</i>
DIN 8061 2016-05	Unplasticized polyvinyl chloride (PVC-U) pipes – General quality requirements, testing
DIN 8075 2018-08	Polyethylene (PE) pipes – PE 80, PE 100 – General quality requirements, testing <i>(only sections 5, 6)</i>
DIN 8076 2013-09	Pressure pipelines made from thermoplastics materials – Metal and plastics compression fittings for polyethylene (PE) pipes – General quality requirements and testing
DIN 8078 2008-09	Polypropylene (PP) pipes – PP-H, PP-B, PP-R, PP-RCT – General quality requirements and testing
DIN 8080 2009-10	Chlorinated polyvinyl chloride (PVC-C) pipes – General quality requirements, testing
DIN 16831-5 1999-10	Pipe joints and components of polybutene (PB) for pipes under pressure; PB 125 – Part 5: General quality requirements, testing
DIN 16833 2009-09	Polyethylene pipes of raised temperature resistance (PE-RT) – PE-RT Type I and PE-RT Type II – General quality requirements, testing
DIN 16836 2005-08	Multilayer pipes – Polyolefin-Aluminium-Multilayer pipes – General requirements and testing <i>(only section 6 and annexes C and D)</i>
DIN 16837 2006-04	Multilayer pipes – Plastics-Multilayer pipes – General quality requirements and testing <i>(only section 6 and annexes A and B)</i>
DIN 16841 2012-08	Plastics piping systems – Testing of pipes and components – Determination of flexural creep of plastics by four-point loading
DIN 16869-2 2014-12	Centrifugally cast filled glass fibre reinforced unsaturated polyester resin (UP-GF) pipes – Part 2: General quality requirements, testing
DIN 16874 2018-09	Pipes of high-density polyethylene (PE-HD) for buried telecommunication – Dimensions and technical delivery conditions <i>(only sections 7 and 8)</i>

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DIN 16876 2016-12	Pipes and fittings of high-density polyethylene (PE-HD) for buried cable ducting – Dimensions and technical delivery condition <i>(only section 8 Testing)</i>
DIN 16878 2017-07	Pipes and fittings of polypropylene (PP) for buried cable ducting – Dimensions and technical delivery conditions <i>(only sections 7 and 8: Requirements and tests)</i>
DIN 16887 1990-07	Determination of the long-term hydrostatic pressure resistance of thermoplastics pipes
DIN 16889-1 1989-06	Determination of the chemical resistance factor for thermoplastics pipes; polyolefin pipes
DIN 16892 2019-10	Crosslinked polyethylene (PE-X) pipes – General requirements, testing
DIN 16894 2011-04	Pipes of crosslinked medium density polyethylene (PE-MDX) – General quality requirements and testing
DIN 16961-2 2018-08	Thermoplastics pipes and fittings with profiled wall and smooth pipe inside – Part 2: Technical delivery specifications <i>(only sections 4 and 5)</i>
DIN 16962-5 2000-04	Pipe joints and components of polypropylene (PP) for pipes under pressure, PP-H 100, PP-B 80 and PP-R 80 – Part 5: General quality requirements, testing <i>(standard withdrawn)</i>
DIN 16964 1988-11	Wound glass fibre reinforced polyester resins (UP-GF) pipes; general quality requirements and testing
DIN 16966-1 1988-11	Glass fibre reinforced polyester resin (UP-GF) pipe fittings and joint assemblies; fittings; general quality requirements and testing
DIN 16966-7 1995-04	Pipe joints and their elements of glass fibre reinforced polyester resins – Part 7: Bushings, flanges, flanged and butt joints; general quality requirements and test methods
DIN 16968 2012-11	Pipes made of Polybutene-1 (PB-1) – PB 125 – General quality requirements and testing
DIN 53769-1 1988-11	Testing of glass fibre reinforced plastics pipes; determination of the longitudinal shear strength of type B pipe fittings

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DIN 73378 1996-02	Polyamide tubing for motor vehicles <i>(only section 6)</i>
ASTM D 1598a 2015	Standard Test Method for Time-to-Failure of Plastic Pipe Under Constant Internal Pressure
ASTM D 1599 2018	Standard Test Method for Resistance to Short-Time Hydraulic Pressure of Plastic Pipe, Tubing, and Fittings
ASTM D 2765 2016	Standard Test Methods for Determination of Gel Content and Swell Ratio of Crosslinked Ethylene Plastics
ASTM D 2837 2021	Standard Test Method for Obtaining Hydrostatic Design Basis for Thermoplastic Pipe Materials or Pressure Design Basis for Thermoplastic Pipe Products <i>(only sections 4 - 6 and annexes)</i>
GRIS GV 15 2019-01	Special quality specification for sewer pipes and fittings made of reinforced polypropylene compound/blend with multilayer wall structure (PP-ML) and fittings made of polypropylene for municipal hydraulic engineering <i>(only sections 3 and 7)</i>
GRIS GV 16 2018-07	Special quality specifications for sewer pipes and fittings made of polypropylene (PP) for municipal hydraulic engineering <i>(only sections 3 and 6)</i>
GRIS GV 19 2016-01	Special quality specifications for piping systems for drainage and sewerage made of polyethylene (PE) <i>(only sections 3 and 6)</i>
LV 112-1 2013-04	Electrical cables for motor vehicles – Part 1: Copper cables; single- core, unshielded <i>(only sections</i> <i>9.3.5 Notch resistance of the insulation</i> <i>9.6.3 Pressure resistance of the insulation in heat)</i>
LV 312-3 (Draft) 2016-11	Protective systems for wiring harnesses in motor vehicles – Hoses; Testing guideline <i>(only corrugated hoses</i> <i>except sections 6.5.8, 6.6.4, 6.7.8, 6.9 and 6.10.3.1)</i>
ÖNORM B 5140 2019-07	Flexible corrugated drainage pipes of unplasticized polyvinylchloride (PVC-U) – Requirements and test methods for pipes, coupling sleeves and the piping system

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<p>ÖNORM B 5174-1 2011-01</p>	<p>Pipes of polypropylene for special applications – Dimensions, requirements, tests – Part 1: Non-modified PP-materials PP-H, PP-B, PP-R, PP-RCT <i>(only sections 7 and 9)</i> <i>(standard withdrawn)</i></p>
<p>ÖNORM B 5193-1 2004-09</p>	<p>Testing of welding compatibility of polyolefines – Part 1: Pipe material polyethylene (PE)</p>
<p>ÖNORM EN 681-1 Draft 2016-09</p>	<p>Elastomeric seals – Material requirements for pipe joint seals used in water and drainage applications – Part 1: Vulcanized rubber <i>(except section 4.2.9 Ozone resistance)</i></p>
<p>ÖNORM EN 1401-1 2019-11</p>	<p>Plastics piping systems for non-pressure underground drainage and sewerage – Unplasticized poly(vinyl chloride) (PVC-U) – Part 1: Specifications for pipes, fittings and the system <i>(only sections 4, 5.1, 6 - 9, annex NA)</i></p>
<p>ÖNORM EN 1555-1 Draft 2019-11</p>	<p>Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 1: General <i>(only section 4, annex NA)</i></p>
<p>ÖNORM EN 1852-1 2018-07</p>	<p>Plastics piping systems for non-pressure underground drainage and sewerage – Polypropylene (PP) – Part 1: Specifications for pipes, fittings and the system <i>(only sections 5, 6, 8, 9, NB, NC)</i></p>
<p>ÖNORM EN 12099 1997-10</p>	<p>Plastics piping systems – Polyethylene piping materials and components – Determination of volatile content</p>
<p>ÖNORM EN 12106 1998-05</p>	<p>Plastics piping systems – Polyethylene (PE) pipes – Test method for the resistance to internal pressure after application of squeeze-off</p>
<p>ÖNORM EN 12118 1998-05</p>	<p>Plastics piping systems – Determination of moisture content in thermoplastics by coulometry</p>
<p>ÖNORM EN 12201-1 2015-12</p>	<p>Plastics piping systems for water supply, and for drainage and sewerage under pressure – Polyethylene (PE) – Part 1: General <i>(only section 4.4, annexes NA 2.3 and NA 2.5)</i></p>
<p>ÖNORM EN 12201-2 2013-11</p>	<p>Plastics piping systems for water supply, and for drainage and sewerage under pressure – Polyethylene (PE) – Part 2: Pipes <i>(only sections 5.1, 6 - 8)</i></p>

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<p>ÖNORM EN 12201-3 2013-04</p>	<p>Plastics piping systems for water supply, and for drainage and sewerage under pressure – Polyethylene (PE) – Part 3: Fittings <i>(only sections 5.1, 5.5, 6 - 8 and annexes A and B)</i></p>
<p>ÖNORM EN 12201-5 2012-03</p>	<p>Plastics piping systems for water supply, and for drainage and sewerage under pressure – Polyethylene (PE) – Part 5: Fitness for purpose of the system <i>(only section 4)</i></p>
<p>ÖNORM EN 12666-1 2011-12</p>	<p>Plastics piping systems for non-pressure underground drainage and sewerage – Polyethylene (PE) – Part 1: Specifications for pipes, fittings and the system</p>
<p>ÖNORM EN ISO 527-2 2012-05</p>	<p>Plastics – Determination of tensile properties – Part 2: Test conditions for moulding and extrusion plastics</p>
<p>ÖNORM EN ISO 899-1 2018-03</p>	<p>Plastics – Determination of creep behaviour – Part 1: Tensile creep</p>
<p>ÖNORM EN ISO 1167-1 2006-07</p>	<p>Thermoplastics pipes, fittings and assemblies for the conveyance of fluids – Determination of the resistance to internal pressure – Part 1: General test method</p>
<p>ÖNORM EN ISO 1167-2 2006-07</p>	<p>Thermoplastics pipes, fittings and assemblies for the conveyance of fluids – Determination of the resistance to internal pressure – Part 2: Preparation of pipe test pieces</p>
<p>ÖNORM EN ISO 1452-1 2020-03</p>	<p>Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure – Unplasticized poly(vinyl chloride) (PVC-U) – Part 1: General <i>(only section 4)</i></p>
<p>ÖNORM EN ISO 1452-2 2020-03</p>	<p>Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure – Unplasticized poly(vinyl chloride) (PVC-U) – Part 2: Pipes <i>(only sections 4, 5, 8 and 9, NB, NC)</i></p>
<p>ÖNORM EN ISO 1452-3 2020-03</p>	<p>Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure – Unplasticized poly(vinyl chloride) (PVC-U) – Part 3: Fittings <i>(only sections 4, 5, 8 and 9, NB, NC)</i></p>

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ÖNORM EN ISO 1452-5 2020-03	Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure – Unplasticized poly(vinyl chloride) (PVC-U) – Part 5: Fitness for purpose of the system (<i>only section 4, A, B</i>)
ÖNORM EN ISO 3451-5 2002-11	Plastics – Determination of ash – Part 5: Poly(vinyl chloride)
ÖNORM EN ISO 4892-2 2013-06	Plastics – Methods of exposure to laboratory light sources – Part 2: Xenon-arc lamps
ÖNORM EN ISO 9080 2013-04	Plastics piping and ducting systems – Determination of the long-term hydrostatic strength of thermoplastics materials in pipe form by extrapolation
ÖNORM EN ISO 9969 2016-06	Thermoplastics pipes – Determination of ring stiffness
ÖNORM EN ISO 13479 2010-05	Polyolefin pipes for the conveyance of fluids – Determination of resistance to crack propagation – Test method for slow crack growth on notched pipes
ÖNORM EN ISO 15874-1 2019-03	Plastics piping systems for hot and cold water installations – Polypropylene (PP) – Part 1: General (<i>only section 6</i>)
ÖNORM EN ISO 15874-2 2019-02	Plastics piping systems for hot and cold water installations – Polypropylene (PP) – Part 2: Pipes (<i>only sections 4, 5, 7, 8 and annexes NA, NB</i>)
ÖNORM EN ISO 15874-3 2019-02	Plastics piping systems for hot and cold water installations – Polypropylene (PP) – Part 3: Fittings (<i>only sections 4, 5, 7, 8 and annexes NA, NB</i>)
ÖNORM EN ISO 15874-5 2019-02	Plastics piping systems for hot and cold water installations – Polypropylene (PP) – Part 5: Fitness for purpose of the system (<i>only section 4 and annexes NA, NB</i>)
ÖNORM EN ISO 15875-1 2008-03	Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Part 1: General (<i>only annexes NA4 and NA5</i>)
ÖNORM EN ISO 15875-2 2008-03	Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Part 2: Pipes (<i>only sections 4, 5.1, 7 and 8</i>)

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<p>ÖNORM EN ISO 15875-3 2004-06</p>	<p>Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Part 3: Fittings <i>(only sections 4, 5.1, 6 - 8)</i></p>
<p>ÖNORM EN ISO 15875-5 2004-06</p>	<p>Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Part 5: Fitness for purpose of the system <i>(only section 4)</i></p>
<p>ÖNORM EN ISO 15876-1 2018-01</p>	<p>Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 1: General <i>(Here: section 5 and annexes NA section 4.2 and NA 5)</i></p>
<p>ÖNORM EN ISO 15876-2 2018-01</p>	<p>Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 2: Pipes <i>(only sections 4, 5.1, 7 and 8)</i></p>
<p>ÖNORM EN ISO 15876-3 2018-01</p>	<p>Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 3: Fittings <i>(only sections 4, 5.1, 6 and 7)</i></p>
<p>ÖNORM EN ISO 15876-5 2018-01</p>	<p>Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 5: Fitness for purpose of the system <i>(only section 4)</i></p>
<p>ÖNORM EN ISO 21003-1 2012-04</p>	<p>Multilayer piping systems for hot and cold water installations inside buildings – Part 1: General <i>(only annex NA 2 - 8)</i></p>
<p>ÖVGW PW 302 2010-04</p>	<p>Plastics piping systems for hot and cold water installations inside buildings made of polypropylene (PP), cross-linked polyethylene (PE- X), polybutene (PB), chlorinated polyvinyl chloride (PVC-C), elevated temperature polyethylene (PE-RT) and polypropylene with increased temperature and crack resistance (PP-RCT) – Requirements and tests for the award of the ÖVGW quality mark <i>(only sections 6.6 and 9)</i></p>
<p>ÖVGW/GRIS QS-W 405/1 2016-02</p>	<p>Piping systems made of polyethylene PE 100-RC for non- conventional installation techniques in the drinking water supply – Part 1: Pipes made of polyethylene PE 100-RC (resistance to crack) – Requirements and tests for the award of the ÖVGW/GRIS quality mark <i>(only sections 6.2.5 - 6.2.7, 6.3 and 9)</i></p>

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<p>PAS 1075 2009-04 SN EN ISO 1452-2 2010-05</p>	<p>Pipes made from Polyethylene for alternative installation techniques – Dimensions, technical requirements and testing Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure – Unplasticized poly(vinyl chloride) (PVC-U) – Part 2: Pipes <i>(only sections 4, 5.1, 6, 8 and 9)</i></p>
<p>SN EN ISO 1452-3 2011-04</p>	<p>Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure – Unplasticized poly(vinyl chloride) (PVC-U) – Part 3: Fittings <i>(only sections 4, 5.1, 6, 8 and 9)</i></p>
<p>SN EN ISO 1452-4 2010-05</p>	<p>Plastics piping systems for water supply and for buried and above-ground sewerage under pressure – Unplasticized poly(vinyl chloride) (PVC-U) – Part 4: Valves <i>(only sections 4, 5.1, 6, 8 and 9)</i></p>
<p>SN EN ISO 1452-5 2011-04</p>	<p>Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure – Unplasticized poly(vinyl chloride) (PVC-U) – Part 5: Fitness for purpose of the system <i>(only section 4)</i></p>
<p>BPG ROHR 1993-05</p>	<p>Construction and testing principles for piping components for above-ground pipes made of thermoplastics</p>
<p>KIWA BRL K536 deel A 2011-12</p>	<p>Plastic piping systems of PVC-C (Type 1) intended for transport of hot and cold drinking water <i>(only section 4)</i></p>
<p>KIWA BRL K536 deel B 2011-12</p>	<p>Plastic piping systems of PP-R intended for transport of hot and cold drinking water <i>(only section 4)</i></p>
<p>KIWA BRL K536 deel C 2011-12</p>	<p>Plastic piping systems of PB intended for transport of hot and cold drinking water <i>(only section 4)</i></p>
<p>KIWA BRL K536-04 deel D 2011-12</p>	<p>Plastic piping systems of PE-X intended for transport of hot and cold drinking water <i>(only section 4)</i></p>
<p>KIWA BRL K536 deel E 2011-12</p>	<p>Plastic piping systems of PE-X/Al intended for transport of hot and cold drinking water <i>(only section 4)</i></p>

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<p>KIWA BRL K536 deel F 2011-12</p>	<p>Plastic piping systems of PP-R/Al intended for transport of hot and cold drinking water (only section 4)</p>
<p>KIWA BRL K536-03 deel G 2011-12</p>	<p>Plastic piping systems of PE-RT/Al intended for transport of hot and cold drinking water (only section 4)</p>
<p>KIWA BRL K536-04 deel H 2011-12</p>	<p>Plastic piping systems of PE-RT Type II intended for transport of hot and cold drinking water (only section 4)</p>
<p>DVGW G 5600-1 2013-10</p>	<p>Metal transfer connectors for polyethylene gas pipelines – Requirements and tests</p>
<p>DVGW G 5600-2 (VP) 2015-09</p>	<p>Plastic transfer connectors for polyethylene gas pipelines – Requirements and tests</p>
<p>DVGW G 5628 2016-09</p>	<p>Installation systems for gas installation inside buildings, consisting of multi-layer pipes and their corresponding fittings, for an operating pressure less than or equal to 100 mbar – Requirements and testing</p>
<p>DVGW GW 6 2014-03</p>	<p>Solder, transfer and threaded fittings made of copper and copper alloys in gas and drinking water installations – Requirements and tests</p>
<p>DVGW GW 335-A1 2003-06</p>	<p>Plastic piping systems in gas and water supply – Requirements and tests – Part A1: Pipes and pipe fittings made of PVC-U for water distribution (except: <i>KTW</i>)</p>
<p>DVGW GW 335-A2 2005-11</p>	<p>Plastic piping systems in gas and water supply – Requirements and tests – Part A2: Pipes made of PE 80 and PE 100 (except: <i>KTW</i>)</p>
<p>DVGW GW 335-A3 2003-06</p>	<p>Plastic piping systems in gas and water supply – Requirements and tests – Part A3: Pipes made of PE-Xa (except: <i>KTW</i>)</p>
<p>DVGW GW 335-B2 2004-09</p>	<p>2nd supplement to DVGW Work Sheet GW 335 – Plastic piping systems in gas and water supply – Requirements and tests – Part B2: Fittings made of PE 80 and PE 100 (except: <i>KTW</i>)</p>
<p>DVGW GW 335-B2-B1 2013-02</p>	<p>1st supplement to DVGW Work Sheet GW 335-B2:2004-09 – Plastic piping systems in gas and water supply – Requirements and tests – Part B2: Fittings made of PE 80 and PE 100</p>

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DVGW GW 335-B3 2011-09	Plastic piping systems in gas and water supply – Part B3: Mechanical connectors made of plastics (POM, PP) for water distribution <i>(only section 3, annex A)</i>
DVGW GW 335-B3-B1 2013-02	1st supplement for connectors made of PE 100 to DVGW GW 335-B3:2011-09 Plastics piping systems in gas and water distribution – Part B3: Mechanical connectors made of plastics (POM, PP) for water distribution <i>(only section 3)</i>
DVGW GW 335-B3-B2 2013-04	2nd supplement for connectors made of PA GF to DVGW GW 335-B3:2011-09 Plastics piping systems in gas and water distribution – Part B3: Mechanical connectors made of plastics (POM, PP) for water distribution <i>(only section 3)</i>
DVGW GW 335-B4 (P) 2014-04	Plastic piping systems in gas and water supply – Part B4: Metal fittings with mechanical or socket joints for water distribution – Requirements and tests
DVGW GW 335-A5 (P) 2015-12	Plastic piping systems in gas and water supply – Requirements and tests – Part A5: PE multilayer pipes with reinforcement (oriented PE) and their joints and jointing
DVGW GW 335-A6 (P) 2015-12	Plastic piping systems in gas and water supply – Requirements and tests – Part A6: Pipes made of PA-U 160 and PA-U 180 and related connectors and connections
DVGW VP 302 2006-06	Shut-off valves made of polyethylene (PE 80 and PE 100) – Requirements and tests
DVGW VP 304 2006-06	Gas tapping valves with built-in operating shut-off for polyethylene piping <i>(only section 4)</i>
DVGW VP 652 2006-05	Copper pipe with firmly adhering plastic jacket for drinking water installations <i>(only section 4, annex A)</i>
DVGW W 320 1981-09	Manufacture, quality assurance and testing of pipes made of hard PVC (hard polyvinyl chloride), HDPE (hard polyethylene) and LDPE (soft polyethylene) for water supply and requirements for pipe connections and piping components

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DVGW W 336 2013-10	Water tapping valves; general requirements and tests
DVGW W 534 2015-07	Pipe connectors and pipe connections in drinking water installations (<i>only sections 10.2 - 10.5, 12, annexes A and B</i>)
DVGW W 542 2009-08	Multilayer composite pipes in drinking water installations – Requirements and tests (except: <i>KTW</i>)
DVGW W 543 2005-05	Compression-proof flexible hose assemblies for drinking water installations – Requirements and tests (<i>only sections 4, 5.5, 6, 7.4 and annex A</i>)
DVGW W 543 Annex A 2005-05	Compression-proof flexible hose assemblies for drinking water installations – Requirements and tests – Annex A
DVGW W 543-B1 (A) 2012-03	Supplement to Work Sheet W 543 – Compression-proof flexible hose assemblies for drinking water installations – Requirements and tests
DVGW W 544 2007-05	Plastic pipes in drinking water installations (<i>only sections 5, 5.1, 6, 6.1, 7, 7.1, 8, 8.1, 9, 9.1</i>)
DVGW W 364 2010-06	Shut-off valves made of polyethylene (PE 80 and PE 100) for drinking water distribution systems – Requirements and tests
KRV A 2.6.10 1984-03	Ageing method for drain pipes and fittings Plastics (<i>only section 2</i>)
NKB Product Rules No 3 1986-07	Product Rules for transport of domestic hot water (<i>only section 3</i>)
NKB Product Rules No 18 1990-1	Product Rules for metal compression fittings for plastics tubes of PB and PEX for water supply installations (<i>only section 3, annex number 1</i>)
ONR 20513 2011-06	Multilayer piping systems (PP-ML) for non-pressure underground drainage and sewerage of reinforced polypropylene- compound/blend – Dimensions, requirements, tests, proof of conformity (<i>standard withdrawn</i>)

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QPlus prR 592 012-3 2015-05	Drainage systems – Part 3: Rigid pipes and fittings (<i>only section 3</i>)
QPlus R 592 012-1 2015-05	Drainage systems – Part 1: Seals (<i>only section 3</i>)
QPlus R 592 012-2 2015-05	Drainage systems – Part 2: Flexible pipes and fittings (<i>only sections 4 - 6 and annexes 2 - 6</i>)
QPlus R 592 012-2M1 2015-09	Leaflet 1 to R 592 012-2: Leak Test Leaflet (<i>only sections 2 - 3</i>)
R 592012 2011-05-05	Quality assurance in housing stock drainage – Dirt and rainwater piping systems – Construction, functional and test standard (<i>except sections 5.1, 5.2, 5.3, 5.5, 5.6, 5.7.7 and 5.7.11</i>)
SVGW ZW 109 2019-01	Regulations – Filters (<i>only sections 4.1 - 4.3</i>)
SVGW ZW 110 2019-01	Regulations – Shut-off valves (<i>only sections 4.1 - 4.3</i>)
SVGW ZW 125 2019-01	Regulations – Drinking water distribution systems with pipes made of PE-X (<i>only sections 4.1 - 4.5</i>)
SVGW ZW 127 2019-01	Regulations – Drinking water distribution systems with pipes made of PP (<i>only sections 4.1 - 4.4</i>)
SVGW ZW 129 2019-01	Regulations – Drinking water distribution systems with pipes made of PB (<i>only sections 4.1 - 4.4</i>)
SVGW ZW 134 2019-01	Regulations – Drinking water distribution systems with pipes made of PVC-C (<i>only sections 4.1 - 4.4</i>)
SVGW ZW 139d 2019-01	Regulations – Drinking water distribution systems with pipes made of PE-RT (<i>only sections 4.1 – 4.4, annex A</i>)
SVGW ZW 142 2019-01	Regulations – Drinking water distribution systems with multilayer composite pipes (<i>only sections 4.1 - 4.5</i>)

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SVGW W/TPW 143 2019-01	Construction and testing of shut-off valves made of plastic for drinking water installations <i>(only sections 6.1 - 6.6)</i>
TCS 1112.1 1993-07	Fittings – Porosity Test
TCS 1113.1 1993-10	Test Code Sheet: Joint Effectiveness <i>(only section 4)</i>
TCS 1113.2 1990-01	Fittings – Joint Effectiveness Test
TCS 1212.3 1993-07	Test Code Sheet: Accelerated ageing <i>(only section 4)</i>
TCS 1212.6 1996-06	Fittings – Accelerated ageing Test
TCS 1212.10	Test Code Sheet: Accelerated ageing <i>(only section 4)</i>
TCS 1312.2 1990-01	Fittings – Deformation Test
TCS 1312.9 1990-01	Fittings – Deformation <i>(only section 4)</i>
TCS 1314.1 1996-05	Compression Fittings for Use with Imperial Polyethylene Pipe, Tension Test – Resistance to pull-out of assembled joint – Single pull
TCS 1314.7 1994-08	Compression Fittings for Use with Metric Polyethylene Tube, Tension Test – Resistance to pull-out of assembled joints – Single pull
TCS 1314.8 1994-08	Compression Fittings for Use with Metric Polyethylene Pipe, Tension Test – Resistance to pull-out of assembled joints – Multiple pull
TCS 1314.9 1994-08	Fittings for Use with Tube and Pipe – Compression, Metal or Plastics – Tension Test – Resistance to pull-out of assembled joints – Single pull
TCS 1314.10 1994-08	Compression Fittings for Use with Lead Pipe – Tension Test – Resistance to pull-out of assembled joints – Single pull

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TCS 1314.11 1994-08	Fittings for Use with Polybutylene Pipe – Tension Test – Resistance to pull-out of assembled joints – Single pull
TCS 1314.12 1994-08	Fittings for Use with Cross Linked Polyethylene (PE-X) Pipe – Tension Test – Resistance to pull-out of assembled joints – Single pull
TCS 1314.13 1994-08	Fittings for Use with Polyvinyl-Chloride (PVC-C) – Tension Test – Resistance to pull-out of assembled joints – Single pull
TCS 1314.14 1995-05	Fittings for Use with Tube and Pipe – Compression, Metal or Plastics for Use with Galvanised Steel Pipe – Tension Test – Resistance to pull-out of assembled joints – Single pull
TCS 1314.15 2000-01	“Push-Fit” Fittings for Use with Metric Polyethylene Tube – Tension Test – Resistance to pull-out of assembled joints – Single pull
TCS 1315.2 1994-07	Test Code Sheet: Torque – Connection and Disconnection (<i>only section 4</i>)
TCS 1412.1 1998-03	Fittings – Corrosion protection (<i>only section 4</i>)
TCS 1611.5 1994-04	Test Code Sheet: Means for connection and disconnection (<i>only section 4</i>)
TCS 2211.2 1990-01	Test Code Sheet: Fittings – Contamination – vacuum when submerged (<i>only section 4</i>)
TCS 4001.13 2012-05	Test Code Sheet: Fittings for use with metal pipe and fittings for use with plastic pipe – Tension – Resistance to pull-out of assembled joint – Single pull (<i>only section 4</i>)
TCS 5011.1 1998-10	Fittings – Measurement of linear dimensions
TCS 6001.1 2015-01 2015-09 2016-06	Test Code Sheet: All Fittings – Marking for identification (<i>only section 4</i>) Clarification, Issue 1 and Clarification, Version 1.2
Thüga 2003-11	Technical specification for gas and drinking water pipes made of crosslinked polyethylene (PE-X) (<i>only section 4</i>)

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Thüga 2003-11	Technical specifications for gas and drinking water pipes made of polyethylene PE 80 and PE 100 <i>(only section 4)</i>
Thüga 2001-02	Technical specifications – Approval and delivery conditions for PE ball valves <i>(only section 4.1)</i>
Thüga 2003-01	Technical specifications for fittings made of polyethylene PE 80 and PE 100 for gas and water supply <i>(only section 4.3)</i>
VKR RL 01-10d 2017-00	Quality requirements GA KSR 2010 (Revision 2017) cable conduits made of polyethylene (PE) <i>(only sections 7 and 12)</i>
DIN CERTCO ZP 1.3.1 1979-02	Pressure pipes made of LDPE (soft polyethylene) <i>(only section 5)</i>
DIN CERTCO ZP 5.1.1 1999-12	Cable conduits pipes made of PVC-U (plasticizer-free polyvinyl chloride) <i>(only sections 2 and 3)</i>
DIN CERTCO ZP 23.6.1-8 2012-08	Pipes and fittings made of polyolefin for geothermal applications <i>(only section 4)</i>
DIN CERTCO ZP 30.5.2 N 1998-10	Elastomer seals for socket joints of sewers and drain pipes <i>(only sections 2 and 5.3)</i>
DIN CERTCO 2015-04	Certification scheme for plastic piping systems (sewers and drain pipes) <i>(only section 5, annexes C to N)</i>
DIN CERTCO 2017-05	Certification scheme for plastic piping systems (pressure pipes and fittings) <i>(only section 5, annexes C to O)</i>
DIN CERTCO 2019-03	Certification scheme for plastic pipe and composite pipe systems for hot water surface heating and radiator connections <i>(only section 4, annexes C to J)</i>
SKZ work instruction 2015-04	Test procedure for PTFE compensators

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SKZ HR 3.2 2015-04	Test and monitoring specifications – Heating pipes made of crosslinked polyethylene PE-X <i>(only section 4)</i>
SKZ HR 3.3 2015-04	Test and monitoring specifications – Heating pipes made of polypropylene <i>(only section 4)</i>
SKZ HR 3.4 2013-05	Test and monitoring specifications – Heating pipes made of polybutene PB <i>(only section 3)</i>
SKZ HR 3.7 2006-05	Test and monitoring specifications – Pipes made of PE-HD with profiled wall and smooth inner pipe surface <i>(only section 3)</i>
SKZ HR 3.9 2006-05	Test and monitoring regulations – Drainage and multi-purpose pipes made of PVC-U and PE-HD <i>(only section 3)</i>
SKZ HR 3.10 2016-03	Test and monitoring specifications – Pressure piping systems consisting of pipes made of PP and fittings made of plastic or metal <i>(only section 4)</i>
SKZ HR 3.12 2019-06	Test and monitoring specifications- Plastic-aluminium multilayer composite pipes <i>(only section 4)</i>
SKZ HR 3.13 2018-05	Test and monitoring specifications – Heating pipes made of medium-density crosslinked polyethylene – PE-MDX <i>(only section 3)</i>
SKZ HR 3.16 2015-04	Test and monitoring specifications – Heating pipes made of polyethylene of increased temperature resistance – PE-RT Type I and Type II <i>(only section 4)</i>
SKZ HR 3.17 2014-07	Test and monitoring specifications – Industrial lines made of crosslinked polyethylene PE-X <i>(only section 3)</i>
SKZ HR 3.19 2002-10	Test and monitoring specifications – Cable protection and cable duct piping systems made of PVC-U and PE <i>(only section 4)</i>

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SKZ HR 3.21 1996-09	Test and monitoring specifications – Internal pressure-stressed U-liner pipes made of PE-HD for the restoration of drinking water and gas pipes <i>(only annexes 1 - 4)</i>
SKZ HR 3.23 2019-07	Test and monitoring specifications – Shaft lining made of polystyrene PS and polyethylene (PE) with and without mineral filling or recycle for insertion of drain pipes into manholes <i>(only section 3)</i>
SKZ HR 3.24 1999-01	Test and monitoring specifications – Transition fittings M/S for connecting U-liner pipes <i>(only section 6)</i>
SKZ HR 3.26 2015-02	Test and monitoring specifications – Geothermal probes, pipes and fittings made of polyethylene, PE 100 for geothermal products <i>(only section 4)</i>
SKZ HR 3.28 2019-06	Test and monitoring specifications – Pressure pipe systems: Fibre composite pipes PP/PP-GF/PP and fittings made of plastic or metal <i>(only section 4)</i>
SKZ HR 3.29 2003-06	Test and monitoring specifications – Flexible pipes made of PE and PP <i>(only section 3)</i>
SKZ HR 3.31 2020-01	Test and monitoring specifications – Cable conduits and underground protection pipes made from unplasticized polyvinyl chloride (PVC-U) <i>(only section 4)</i>
SKZ HR 3.33 2004-06	Test and monitoring specifications – Control and flush chutes made of PE-HD for use in drainage and seepage systems <i>(only section 4)</i>
SKZ HR 3.34 2007-08	Test and monitoring specifications – Pressure piping system made of PP-RCT <i>(only section 3)</i>
SKZ HR 3.35 2011-04	Test and monitoring specifications – Underfloor heating pipes made of polyethylene with increased temperature stability (PE-RT, Type 0) <i>(only section 3)</i>
SKZ HR 3.37 2007-10	Test and monitoring specifications – Flexible drainage pipes made of PVC-U <i>(only section 3)</i>

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SKZ HR 3.39 2011-11	Test and monitoring specifications – Drain pipes and moulded parts made of PP within the building structure <i>(only section 3)</i>
SKZ HR 3.40 2007-01	Test and monitoring specifications – Pressure pipes made of polyethylene (PE 80/PE 100) <i>(only section 3)</i>
SKZ HR 3.42 2009-04	Test and monitoring specifications – Pressure pipes made of multilayer composite pipes PE 80, PE 100, PE-X <i>(only section 3)</i>
SKZ HR 3.43 2021-02	Test and monitoring specifications – Drain pipes and moulded parts made of PP with mineral filling inside the building structure <i>(only section 3)</i>
SKZ HR 3.44 2015-07	Test and monitoring specifications – Geothermal probes, pipes and fittings made of polyethylene, PE 100, for geothermal products with thinner walls than SDR 17 <i>(only section 4)</i>
SKZ HR 3.45 2015-08	Test and monitoring specifications – Pressure pipe systems: Polybutylene (PB) pipes and plastic or metal fittings <i>(only section 4)</i>
SKZ HR 3.47 2017-09	Test and monitoring specifications – Cable conduits and underground protective pipes made of high density polyethylene (PE-HD) <i>(only section 4)</i>
SKZ HR 3.48 2014-01	Test and monitoring specifications – Flat pipes with profiled wall and smooth pipe inner surface made of polyethylene (PE) for room ventilation systems <i>(only section 3)</i>
SKZ HR 3.49 2014-01	Test and monitoring specifications – Round pipes with profiled wall and smooth pipe inner surface made of polyethylene (PE) for room ventilation systems <i>(only section 3)</i>
SKZ HR 3.50 2013-04	Test and monitoring specifications – Pressure piping system consisting of plastic multilayer composite pipes and connectors made of plastic or metal <i>(only section 3)</i>

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SKZ HR 3.51 2013-06	Test and monitoring specifications – Pressure piping systems consisting of fibre composite pipes and fittings <i>(only section 3)</i>
SKZ HR 3.52 2018-10	Test and monitoring specifications – Pressure pipe systems: Pipes of polyethylene of increased temperature resistance PE-RT and fittings made of plastic or metal <i>(only section 4)</i>
SKZ HR 3.53 2016-03	Test and monitoring specifications – Pressure pipe systems: Polypropylene-aluminium multilayer composite pipes and fittings made of plastic or metal <i>(only section 4)</i>
SKZ HR 3.54 2020-02	Test and monitoring specifications – Micro-pipe systems (micro-pipe and pipe assemblies) for cable management <i>(only section 3)</i>
SKZ HR 3.55 2015-08	Test and monitoring specifications – Pressure pipe systems: Pipes made of crosslinked polyethylene PE-X and fittings made of plastic or metal <i>(only section 4)</i>
SKZ HR 3.56 2018-03	Test and monitoring specifications Pressure pipe systems: Fibre composite pipes made of PP/PP-GF/PP and fittings made of plastic or metal <i>(Here section 4)</i>
SKZ HR 3.57 2018-12	Test and monitoring specifications Pipes and fittings of high-density polyethylene (PE-HD) for buried cable ducting made of plastic or metal <i>(Here section 4)</i>
SKZ HR 10.01 2018-08	Test and monitoring specifications Pipes made of polyethylene, PE 100-(RC)Ox with high thermo-oxidative resistance for high temperature and long term service life applications – Technical requirements and tests <i>(only section 5)</i>

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2.1.2 Valve testing

DIN EN 200 2008-10	Sanitary tapware – Single taps and combination taps for water supply systems of type 1 and type 2 – General technical specification <i>(except section 14)</i>
DIN EN 246 2003-11	Sanitary tapware – General specifications for flow rate regulators <i>(except section 11)</i>
DIN EN 248 2003-01	Sanitary tapware – General specification for electrodeposited coatings of Ni-Cr
DIN EN 816 2017-10	Sanitary tapware – Automatic shut-off valves PN 10 <i>(only sections 8 - 13)</i>
DIN EN 817 2008-09	Sanitary tapware – Mechanical mixing valves (PN 10) – General technical specifications <i>(except section 14)</i>
DIN EN 1111 2017-10	Sanitary tapware – Thermostatic mixing valves (PN 10) – General technical specification <i>(except sections 10 and 17)</i>
DIN EN 1112 2008-06	Sanitary tapware – Shower outlets for sanitary tapware for water supply systems of type 1 and type 2 – General technical specification <i>(except section 12)</i>
DIN EN 1113 2015-06	Sanitary tapware – Shower hoses for sanitary tapware for water supply systems of type 1 and type 2 – General technical specification
DIN EN 13828 2003-12	Building valves – Manually operated copper alloy and stainless steel ball valves for potable water supply in buildings – Tests and requirements <i>(except section 7.5)</i>
DIN EN 13959 2005-01	Anti-pollution check valves – DN 6 to DN 250 inclusive – Family E, type A, B, C and D <i>(except section 12.2)</i>
DIN EN 14506 2005-08	Devices to prevent pollution by backflow of potable water – Automatic diverter – Family H, type C <i>(except section 11)</i>

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DIN EN 15091 2014-03	Sanitary tapware – Electronic opening and closing sanitary tapware (<i>except sections 4.5 - 4.5.4, 5.6, 6 and 7</i>)
DIN EN 16145 2013-03	Sanitary tapware – Extractable outlets for sink and basin mixers – General technical specification (<i>except section 13</i>)
DIN EN 16146 2015-02	Sanitary tapware – Extractable shower hoses for sanitary tapware for supply systems type 1 and type 2 – General technical specification
DIN EN ISO 10289 2001-04	Methods for corrosion testing of metallic and other inorganic coatings on metallic substrates – Rating of test specimens and manufactured articles subjected to corrosion tests
DIN 3509 2010-06	Valves for potable water supply in buildings – Draw-off taps (PN 10) – Requirements and tests (<i>except section 5.9</i>)
DVGW W 570-1 (P) 2013-03	Valve for drinking water installations – Part 1: Requirements and tests for building valves
DVGW W 570-1-B1 (P) 2015-08	1st supplement to test specification W 570-1 Valves for drinking water installations – Part 1: Requirements and tests for building valves
DVGW W 570-1-B2 (P) 2016-02	2nd supplement to test specification W 570-1 Valves for drinking water installations – Part 1: Requirements and tests for building valves
DVGW W 574 2007-04	Sanitary tapware as removal fittings for drinking water installations – Requirements and tests

2.2 Window and profile testing

DIN ISO 3865 2001-12 Status correct	Rubber, vulcanized or thermoplastic – Methods of test for staining in contact with organic material (<i>standard withdrawn</i>)
DIN EN ISO 176 2005-05	Plastics – Determination of loss of plasticizers – Activated carbon method
DIN EN 478 2018-04	Unplasticized polyvinylchloride (PVC-U) profiles for the fabrication of windows and doors – Appearance after exposure at 150 °C – Test method

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DIN EN 479 2018-04	Unplasticized poly(vinyl chloride) (PVC-U) profiles – Determination of heat reversion
DIN EN 513 2019-03	Plastics – Poly(vinyl chloride) (PVC) based profiles – Determination of the resistance to artificial weathering
DIN EN 514 2018-04	Unplasticized polyvinylchloride (PVC-U) profiles for the fabrication of windows and doors – Determination of the strength of welded corner and T-joint
DIN EN 12365-2 2003-12	Building hardware – Gaskets and weatherstripping for doors, windows, shutters and curtain walling – Part 2: Linear compression force test methods
DIN EN 12365-3 2003-12	Building hardware – Gaskets and weatherstripping for doors, windows, shutters and curtain walling – Part 3: Deflection recovery test method
DIN EN 12365-4 2003-12	Building hardware – Gaskets and weatherstripping for doors, windows, shutters and curtain walling – Part 4: Recovery after accelerated ageing test method
DIN EN 12608-1 2020-11	Unplasticized poly(vinyl chloride) (PVC-U) profiles for the fabrication of windows and doors – Classification, requirements and test methods – Part 1: Non-coated PVC-U profiles with light coloured surfaces
DIN EN 13706-2 2003-02	Reinforced plastic composites – Specifications for pultruded profiles – Part 2: Methods of test and general requirements
RAL-GZ-716 Technical Annex 2020-07	Technical annex to RAL-GZ 716 – Plastic window profile systems – Quality and test specifications for components and methods

2.3 Geosynthetics testing

DIN EN ISO 9863-1 2020-04	Geosynthetics – Determination of thickness at specified pressures – Part 1: Single layers
DIN EN ISO 9864 2005-05	Geosynthetics – Test method for the determination of mass per unit area of geotextiles and geotextile-related products

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DIN EN ISO 10319 2015-09	Geosynthetics – Wide-width tensile test
DIN EN ISO 10321 2008-08	Geosynthetics – Tensile test for joints/seams by wide-width strip method
DIN EN ISO 10722 2020-03	Geosynthetics – Index test procedure for the evaluation of mechanical damage under repeated loading – Damage caused by granular material (laboratory test method)
DIN EN ISO 11058 2019-09	Geotextiles and geotextile-related products – Determination of water permeability characteristics normal to the plane, without load
DIN EN ISO 12236 2006-11	Geosynthetics – Static puncture test (CBR test)
DIN EN ISO 12956 2020-05	Geotextiles and geotextile-related products – Determination of the characteristic opening size
DIN EN ISO 12957-1 2019-04	Geosynthetics – Determination of friction characteristics – Part 1: Direct shear test
DIN EN ISO 12958 2010-08 DIN EN ISO 12958	Geotextiles and geotextile-related products – Determination of water flow capacity in their plane – Part 1: Index test
DIN EN ISO 12960 2020-09	Geotextiles and geotextile-related products – Screening test method for determining the resistance to acid and alkaline liquids
DIN EN ISO 13426-1 2020-03	Geotextiles and geotextile-related products – Strength of internal structural junctions – Part 1: Geocells
DIN EN ISO 13426-2 2005-08	Geotextiles and geotextile-related products – Strength of internal structural junctions – Part 2: Geocomposites
DIN EN ISO 13428 2005-05	Geosynthetics – Determination of the protection efficiency of a geosynthetic against impact damage
DIN EN ISO 13431 1999-11	Geotextiles and geotextile-related products – Determination of tensile creep and creep rupture behaviour
DIN EN ISO 13433 2006-10	Geosynthetics – Dynamic perforation test (cone drop test)

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DIN EN ISO 13438 2019-05	Geosynthetics – Screening test method for determining the resistance of geotextiles and geotextile-related products to oxidation
DIN EN ISO 13934-1 2013-08	Textiles – Tensile properties of fabrics – Part 1: Determination of maximum force and elongation at maximum force using the strip method
DIN EN ISO 17892-1 2015-03	Geotechnical investigation and testing – Laboratory testing of soil – Part 1: Determination of water content
DIN EN ISO 25619-1 2009-06	Geosynthetics – Determination of compression behaviour – Part 1: Compressive creep properties
DIN EN ISO 25619-2 2015-12	Geosynthetics – Determination of compression behaviour – Part 2: Determination of short-term compression behaviour
DIN CEN/TS 14416 2014-05	Geosynthetic barriers – Test method for determining the resistance to roots
DIN CEN/TS 14417 2014-12	Geosynthetic barriers – Test method for the determination of the influence of wetting-drying cycles on the permeability of clay geosynthetic barriers
DIN CEN/TS 14418 2014-12	Geosynthetic barriers – Test method for the determination of the influence of freezing-thawing cycles on the permeability of clay geosynthetic barriers
DIN EN 12224 2000-11	Geotextiles and geotextile-related products – Determination of the resistance to weathering
DIN EN 12225 2021-01	Geosynthetics – Method for determining the microbiological resistance by a soil burial test
DIN EN 12226 2012-03	Geosynthetics – General tests for evaluation following durability testing
DIN EN 12447 2002-03	Geotextiles and geotextile-related products – Screening test method for determining the resistance to hydrolysis in water
DIN EN 13562 2000-07	Geotextiles and geotextile-related products – Determination of resistance to penetration by water (hydraulic pressure test)
DIN EN 13719 2016-11	Geosynthetics – Determination of the long term protection efficiency of geosynthetics in contact with geosynthetic barriers

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DIN EN 14030 2003-11	Geotextiles and geotextile-related products – Screening test method for determining the resistance to acid and alkaline liquids <i>(withdrawn)</i>
DIN EN 14150 2019-08	Geosynthetic barriers – Determination of permeability to liquids
DIN EN 14196 2016-08	Geosynthetics – Test methods for measuring mass per unit area of clay geosynthetic barriers
DIN EN 14414 2004-08	Geosynthetics – Screening test method for determining chemical resistance for landfill applications
DIN EN 14415 2004-08	Geosynthetic barriers – Test method for determining the resistance to leaching
DIN EN 14574 2015-06	Geosynthetics – Determination of the pyramid puncture resistance of supported geosynthetics
DIN EN 14575 2005-07	Geosynthetic barriers – Screening test method for determining the resistance to oxidation
DIN EN 14576 2005-07	Geosynthetics – Test method for determining the resistance of polymeric geosynthetic barriers to environmental stress cracking
DIN EN 15381 2008-11	Geotextiles and geotextile-related products – Characteristics required for use in pavements and asphalt overlays
DIN EN 16416 2013-12	Geosynthetic clay barriers – Determination of water flux index – Flexible wall permeameter method at constant head
DIN EN 17323 2020-08	Geosynthetics – Determination of tensile properties of polymeric geosynthetic barriers
DIN EN 29073-3 1992-08	Textiles; test method for nonwovens; part 3: determination of tensile strength and elongation
DIN 18121-1 1998-04	Soil, investigation and testing – Water content – Part 1: Determination by drying in oven <i>(withdrawn)</i>
DIN 18121-2 2020-11	Soil, investigation and testing – Water content – Part 2: Determination by rapid methods

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DIN 18132 2012-04	Soil, testing procedures and testing equipment – Determination of wa absorption
DIN 60009 2017-12	Geosynthetics – Determination and testing of the interaction coefficient to the soil using pullout test
DIN 60500-4 2007-12	Geotextiles and geotextile-related products – Part 4: Determination of permeability normal to the plane under load at constant hydraulic water head
DIN 61551 2008-01	Geosynthetics – Determination of burst strength
ASTM C 837 2014	Standard Test Method for Methylene Blue Index of Clay
ASTM D 1388 2018	Standard Test Method for Stiffness of Fabrics
ASTM D 2216 2019	Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass
ASTM D 4491/D 4491M 2020	Standard Test Methods for Water Permeability of Geotextiles by Permittivity
ASTM D 4533/D 4533M 2015	Standard Test Method for Trapezoid Tearing Strength of Geotextiles
ASTM D 4595 2017	Standard Test Method for Tensile Properties of Geotextiles by the Wide-Width Strip Method
ASTM D 4632/D 4632M 2015	Standard Test Method for Grab Breaking Load and Elongation of Geotextiles <i>(standard withdrawn)</i>
ASTM D 4833/ASTM 4833 M 2007	Standard Test Method for Index Puncture Resistance of Geomembranes and Related Products (reapproved 2013)
ASTM D 4885 2001	Standard Test Method for Determining Performance Strength of Geomembranes by the Wide Strip Tensile Method
ASTM D 5035 2011	Standard Test Method for Breaking Force and Elongation of Textile Fabrics (Strip Method)
ASTM D 5199 2012	Standard Test Method for Measuring the Nominal Thickness of Geosynthetics

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ASTM D 5261 2010	Standard Test Method for Measuring Mass per Unit Area of Geotextiles
ASTM D 5321/D 5321M 2020	Standard Test Method for Determining the Shear Strength of Soil-Geosynthetic and Geosynthetic-Geosynthetic Interfaces by Direct Shear
ASTM D 5596 2003	Standard Test Method For Microscopic Evaluation of the Dispersion of Carbon Black in Polyolefin Geosynthetics
ASTM D 5617 2004	Standard Test Method for Multi-Axial Tension Test for Geosynthetics
ASTM D 5721 2008	Standard Practice for Air-Oven Aging of Polyolefin Geomembranes
ASTM D 5887/D 5887M 2020	Standard Test Method for Measurement of Index Flux Through Saturated Geosynthetic Clay Liner Specimens Using a Flexible Wall Permeameter
ASTM D 5890 2019	Standard Test Method for Swell Index of Clay Mineral Component of Geosynthetic Clay Liners
ASTM D 5993 2018	Standard Test Method for Measuring Mass Per Unit of Geosynthetic Clay Liners
ASTM D 5994/D 5994M 2010	Standard Test Method for Measuring Core Thickness of Textured Geomembranes
ASTM D 6241 2014	Standard Test Method for Static Puncture Strength of Geotextiles and Geotextile-Related Products Using a 50-mm Probe
ASTM D 6243/D 6243M 2020	Standard Test Method for Determining the Internal and Interface Shear Strength of Geosynthetic Clay Liner by the Direct Shear Method
ASTM D 6364 2006	Standard Test Method for Determining Short-Term Compression Behavior of Geosynthetics
ASTM D 6496/D 6496M 2020	Standard Test Method for Determining Average Bonding Peel Strength Between Top and Bottom Layers of Needle-Punched Geosynthetic Clay Liners

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ASTM D 6575/D 6575M 2016	Standard Test Method for Determining Stiffness of Geosynthetics Used as Turf Reinforcement Mats (TRMs)
ASTM D 6637/D 6637M 2015	Standard Test Method for Determining Tensile Properties of Geogrids by the Single or Multi-Rib Tensile Method
ASTM D 6768/D 6768M 2020	Standard Test Method for Tensile Strength of Geosynthetic Clay Liners
ASTM D 7003/D 7003M 2003	Standard Test Method for Strip Tensile Properties of Reinforced Geomembranes
ASTM D 7005/D 7005 M 2016	Standard Test Method for Determining the Bond Strength (Ply Adhesion) of Geocomposites
ASTM D 7179 2018	Standard Test Method for Determining Geonet Breaking Force
ASTM D 7737/D 7737 M 2015	Standard Test Method for Individual Geogrid Junction Strength
BAM Method B14 2018-11	Determination of the dimensional change of plastic geomembranes made of high-density polyethylene (PE-HD)
EN ISO 9073-7 1998-10	Textiles – Test methods for non-wovens – Part 7: Determination of bending length
ECTC 2006	A Technical Guidance Manual: Terminology, Index & Performance Testing Procedures for Rolled Erosion Control Products <i>(only section 5.14 “Smolder Resistance”)</i>
GRI GG2 2006-09	Individual Geogrid Junction Strength <i>(standard withdrawn)</i>
VDG P 69 1999-10	Binder testing – Testing of bond clay <i>(only section 4)</i>

2.4 Testing of sheeting, tiles, foils, floors for sporting activities and sports products

ISO 1763 2020-07	Carpets – Determination of number of tufts and/or loops per unit length and per unit area
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ISO 4591 1992-12	Plastics; film and sheeting; determination of average thickness of a sample, and average thickness and yield of a roll, by gravimetric techniques
DIN ISO 4593 2019-06	Testing of plastics films – Determination of the thickness by mechanical scanning
DIN ISO 7765-2 2009-02	Plastics film and sheeting – Determination of impact resistance by the free-falling dart method – Part 2: Instrumented puncture test
DIN ISO 8296 2008-03	Plastics – Film and sheeting – Determination of wetting tension
DIN EN ISO 2286-1 2017-01	Rubber- or plastics-coated fabrics – Determination of roll characteristics – Part 1: Methods for determination of length, width and net mass
DIN EN ISO 2286-2 2017-01	Rubber- or plastics-coated fabrics – Determination of roll characteristics – Part 2: Methods for determination of total mass per unit area, mass per unit area of coating and mass per unit area of substrate
DIN EN ISO 2286-3 2017-01	Rubber- or plastics-coated fabrics – Determination of roll characteristics – Part 3: Method for determination of thickness
DIN EN ISO 3035 2012-02	Corrugated fibreboard – Determination of flat crush resistance
DIN EN ISO 3037 2013-12	Corrugated fibreboard – Determination of edgewise crush resistance (unwaxed edge method)
DIN EN ISO 4674-1 2017-03	Rubber- or plastics-coated fabrics – Determination of tear resistance – Part 1: Constant rate of tear methods
DIN EN ISO 6383-1 2016-05	Plastics – Film and sheeting – Determination of tear resistance – Part 1: Trouser tear method
DIN EN ISO 8295 2004-10	Plastics – Film and sheeting – Determination of the coefficients of friction
DIN EN ISO 11501 2004-10	Plastics – Film and sheeting – Determination of dimensional change on heating

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DIN EN ISO 13937-2 2000-06	Textiles – Tear properties of fabrics – Part 2: Determination of tear force of trouser-shaped test specimens (single tear method)
DIN EN ISO 14616 2004-10	Plastics – Heatshrinkable films of polyethylene, ethylene copolymers and their mixtures – Determination of shrinkage stress and contraction stress
DIN EN ISO 15013 2008-01	Plastics – Extruded sheets of polypropylene (PP) – Requirements and test methods (<i>only section 5</i>)
DIN EN ISO 24340 2012-04	Resilient floor coverings – Determination of thickness of layers
DIN EN ISO 24343-1 2012-04	Resilient and laminate floor coverings – Determination of indentation and residual indentation – Part 1: Residual indentation
DIN EN ISO 24344 2012-04	Resilient floor coverings – Determination of flexibility and deflection
DIN EN ISO 24345 2012-04	Resilient floor coverings – Determination of peel resistance
DIN EN ISO 24346 2012-04	Resilient floor coverings – Determination of overall thickness
DIN EN ISO 26987 2012-04	Resilient floor coverings – Determination of staining and resistance to chemicals
DIN EN ISO 29862 2019-09	Self adhesive tapes – Determination of peel adhesion properties
DIN EN ISO 29864 2019-09	Self adhesive tapes – Measurement of breaking strength and elongation at break
DIN EN 277 1995-06	Sacks for the transport of food aid – Sacks made of woven polypropylene fabric (<i>only section 5</i>)
DIN EN 432 1994-11	Resilient floor coverings – Determination of shear force
DIN EN 495-5 2013-08	Flexible sheets for waterproofing – Determination of foldability at low temperature – Part 5: Plastic and rubber sheets for roof waterproofing

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DIN EN 661 1995-01	Resilient floor coverings – Determination of the spreading of water
DIN EN 662 1995-01	Resilient floor coverings – Determination of curling on exposure to moisture
DIN EN 663 1995-01	Resilient floor coverings – Determination of conventional pattern depth
DIN EN 665 1995-01	Resilient floor coverings – Determination of exudation of plasticizers
DIN EN 666 1995-01	Resilient floor coverings – Determination of gelling
DIN EN 765 1994-09	Sacks for the transport of food aid – Sacks made of woven polyolefin fabric other than polypropylene only <i>(only section 5)</i>
DIN EN 766 1994-09	Sacks for the transport of food aid – Sacks made of jute fabric <i>(only section 5)</i>
DIN EN 767 1994-09	Sacks for the transport of food aid – Sacks made of woven jute/polyolefine fabric <i>(only section 5)</i>
DIN EN 768 1994-09	Sacks for the transport of food aid – Sacks made of lined cotton fabric <i>(only section 5)</i>
DIN EN 769 1994-09	Sacks for the transport of food aid – Sacks made of woven cotton/polyolefine fabric <i>(only section 5)</i>
DIN EN 770 1994-09	Sacks for the transport of food aid – Paper sacks <i>(only section 5)</i>
DIN EN 787 1994-09	Sacks for the transport of food aid – Sacks made of polyethylene film <i>(only section 5)</i>
DIN EN 986 2006-03	Textile floor coverings – Tiles – Determination of dimensional changes due to the effects of varied water and heat conditions and distortion out of plane
DIN EN 1107-1 1999-10	Flexible sheets for waterproofing – Determination of dimensional stability – Part 1: Bitumen sheets for roof waterproofing

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DIN EN 1107-2 2001-04	Flexible sheets for waterproofing – Determination of dimensional stability – Part 2: Plastic and rubber sheets for roof waterproofing
DIN EN 1109 2013-07	Flexible sheets for waterproofing – Bitumen sheets for roof waterproofing – Determination of flexibility at low temperature <i>(standard withdrawn)</i>
DIN EN 1110 2011-03	Flexible sheets for waterproofing – Bitumen sheets for roof waterproofing – Determination of flow resistance at elevated temperature
DIN EN 1177 Corrigendum 1 2008-12	Impact attenuating playground surfacing – Determination of critical fall height <i>(standard withdrawn)</i>
DIN EN 1296 2001-03	Flexible sheets for waterproofing – Bitumen, plastic and rubber sheets for roof waterproofing – Method for artificial ageing by long term exposure to elevated temperature <i>(only section 8)</i>
DIN EN 1297 2004-12	Flexible sheets for waterproofing – Bitumen, plastic and rubber sheets for roof waterproofing – Method of artificial ageing by long term exposure to the combination of UV radiation, elevated temperature and water <i>(only section 7)</i>
DIN EN 1399 1998-02	Resilient floor coverings – Determination of resistance to stubbed and burning cigarettes
DIN EN 1516 2000-09	Surfaces for sports areas – Determination of resistance to indentation
DIN EN 1517 2020-07	Surfaces for sports areas – Determination of resistance of impact
DIN EN 1548 2007-11	Flexible sheets for waterproofing – Plastic and rubber sheets for roof waterproofing – Method for exposure to bitumen <i>(only section 9)</i>
DIN EN 1569 2020-07	Surfaces for sports areas – Determination of the behaviour under a rolling load
DIN EN 1847 2010-04	Flexible sheets for waterproofing – Plastics and rubber sheets for roof waterproofing – Methods for exposure to liquid chemicals, including water

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DIN EN 1848-1 1999-12	Flexible sheets for waterproofing – Determination of length, width and straightness – Part 1: Bitumen sheets for roof waterproofing
DIN EN 1848-2 2001-09	Flexible sheets for waterproofing – Determination of length, width, straightness and flatness – Part 2: Plastic and rubber sheets for roof waterproofing
DIN EN 1849-1 2000-01	Flexible sheets for waterproofing – Determination of thickness and mass per unit area – Part 1: Bitumen sheets for roof waterproofing
DIN EN 1849-2 2019-09	Flexible sheets for waterproofing – Determination of thickness and mass per unit area – Part 2: Plastic and rubber sheets for roof waterproofing
DIN EN 1850-1 1999-12	Flexible sheets for roofing – Determination of visible defects – Part 1: Bitumen sheets for roof waterproofing
DIN EN 1850-2 2001-09	Flexible sheets for roofing – Determination of visible defects – Part 2: Plastic and rubber sheets for roof waterproofing
DIN EN 1875-3 1998-02	Rubber- or plastics-coated fabrics – Determination of tear resistance - Part 3: Method with trapezoidal specimens
DIN EN 1876-1 1998-01	Rubber or plastics coated fabrics – Low temperatures tests – Part 1: Bend test
DIN EN 1876-2 1998-01	Rubber or plastics coated fabrics – Low temperatures tests – Part 2: Impact test on loop
DIN EN 1939 2003-12	Self adhesive tapes – Determination of peel adhesion properties <i>(standard withdrawn)</i>
DIN EN 1942 2008-06	Self adhesive tapes – Measurement of Thickness
DIN EN 1944 1996-04	Self adhesive tapes – Measurement of unwind adhesion at low speed
DIN EN 1969 2000-08	Surfaces for sports areas – Determination of thickness of synthetic sports surfaces
DIN EN 12228 2013-12	Surfaces for sports areas – Determination of joint strength of synthetic surfaces
DIN EN 12229 2014-07	Surfaces for sports areas – Procedure for the preparation of synthetic turf and needle-punch test pieces

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DIN EN 12230 2003-07	Surfaces for sports areas – Determination of tensile properties of synthetic sports surfaces
DIN EN 12234 2013-12	Surfaces for sports areas – Determination of ball roll behaviour
DIN EN 12235 2013-12	Surfaces for sports areas – Determination of vertical ball behaviour
DIN EN 12310-1 1999-11	Flexible sheets for waterproofing – Part 1: Bitumen sheets for roof waterproofing; determination of resistance to tearing (nail shank)
DIN EN 12310-2 2019-02	Flexible sheets for waterproofing – Determination of resistance to tearing – Part 2: Plastic and rubber sheets for roof waterproofing
DIN EN 12311-1 1999-11	Flexible sheets for waterproofing – Part 1: Bitumen sheets for roof waterproofing; Determination of tensile properties
DIN EN 12311-2 2013-11	Flexible sheets for waterproofing – Determination of tensile properties – Part 2: Plastic and rubber sheets for roof waterproofing
DIN EN 12316-1 1999-11	Flexible sheets for waterproofing – Part 1: Bitumen sheets for roof waterproofing; determination of peel resistance of joints
DIN EN 12316-2 2013-08	Flexible sheets for waterproofing – Determination of peel resistance of joints – Part 2: Plastic and rubber sheets for roof waterproofing
DIN EN 12317-1 1999-11	Flexible sheets for waterproofing – Part 1: Bitumen sheets for roof waterproofing; determination of shear resistance of joints
DIN EN 12317-2 2010-12	Flexible sheets for waterproofing – Determination of shear resistance of joints – Part 2: Plastic and rubber sheets for roof waterproofing
DIN EN 12503-6 2001-07	Sports mats – Part 6: Determination of the top friction
DIN EN 12616 2013-12	Surfaces for sports areas – Determination of water infiltration rate
DIN EN 12691 2018-05	Flexible sheets for waterproofing – Bitumen, plastic and rubber sheets for roof waterproofing – Determination of resistance to impact

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DIN EN 12730 2015-06	Flexible sheets for waterproofing – Bitumen, plastic and rubber sheets for roof waterproofing – Determination of resistance to static loading
DIN EN 13111 2010-11	Flexible sheets for waterproofing – Underlays for discontinuous roofing and walls – Determination of resistance to water penetration
DIN EN 13206 2020-04	Plastics – Thermoplastic covering films for use in agriculture and horticulture <i>(except section 8.8)</i>
DIN EN 13583 2012-10	Flexible sheets for waterproofing – Bitumen, plastic and rubber sheets for roof waterproofing – Determination of hail resistance
DIN EN 13672 2004-10	Surfaces for sports areas – Determination of resistance to abrasion of non-filled synthetic turf
DIN EN 13744 2005-01	Surfaces for sports areas – Procedure for accelerated ageing by immersion in hot water
DIN EN 13746 2004-09	Surfaces for sports areas – Determination of dimensional changes due to the effect of varied water, frost and heat conditions
DIN EN 13817 2005-01	Surfaces for sports areas – Procedure for accelerated ageing by exposure to hot air <i>(only sections 6 and 7)</i>
DIN EN 13859-1 2014-07	Flexible sheets for waterproofing – Definitions and characteristics of underlays – Part 1: Underlays for discontinuous roofing <i>(only section 5)</i>
DIN EN 13864 2004-09	Surfaces for sports areas – Determination of tensile strength of synthetic yarns
DIN EN 13967 2017-08	Flexible sheets for waterproofing – Plastic and rubber damp proof sheets including plastic and rubber basement tanking sheet – Definitions and characteristics <i>(only sections 5 and 6, annex B)</i>
DIN EN 14410 2003-06	Self adhesive tapes – Measurement of breaking strength and elongation at break <i>(standard withdrawn)</i>
DIN EN 14836 2019-04	Synthetic surfaces for outdoor sports areas – Exposure to artificial weathering <i>(only sections 5 and 7)</i>

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DIN EN 14808 2006-03	Surfaces for sports areas – Determination of shock absorption
DIN EN 14809 2006-03	Surfaces for sports areas – Determination of vertical deformation
DIN EN 14877 2013-12	Synthetic surfaces for outdoor sports areas – Specification <i>(only sections 4.3 - 4.5; 5.1 - 5.5)</i>
DIN EN 14882 2005-11	Rubber or plastic coated fabrics – Determination of the static and dynamic coefficient of friction
DIN EN 14909 2012-07	Flexible sheets for waterproofing – Plastic and rubber damp proof courses – Definitions and characteristics <i>(only sections 5 and 6, annex B)</i>
DIN EN 14932 2018-03	Plastics – Thermoplastic stretch films for wrapping silage bales – Requirements and test methods <i>(except sections 8.4, 8.5, 8.9)</i>
DIN EN 15330-1 2013-12	Surfaces for sports areas – Synthetic turf and needle-punched surfaces primarily designed for outdoor use – Part 1: Specification for synthetic turf surfaces for football, hockey, rugby union training, tennis and multi-sports use <i>(only sections 4 and 5)</i>
DIN EN 25978 1993-11	Rubber or plastics-coated fabrics; determination of blocking resistance
DIN EN 26591-2 1993-02	Packaging; sacks; description and method of measurement; part 2: empty sacks made from thermoplastic flexible film <i>(only sections 4 and 5)</i>
DIN EN 27023 1993-02	Packaging; sacks; method of sampling empty sacks for testing <i>(only section 5)</i>
DIN EN 27965-1 1993-02	Packaging; sacks; drop test; part 1: paper sacks <i>(only section 7)</i>
DIN 7864-1 1984-04	Sheets of elastomers for waterproofing; terms of delivery <i>(only section 5, except 5.14 Ozone test and 5.19 Normal flammability)</i>

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DIN 16726 2017-08	Plastic sheets – Testing <i>(only section 5 without 5.20)</i>
DIN 16906 2015-01	Testing of plastic sheeting and plastic films – Sample and specimen – Preparation and conditioning
DIN 16995 2016-04	Films for packaging – Plastic films – Properties, testing
DIN 18032-3 2018-11	Sport halls – Halls for gymnastics, games and multi-purpose use – Part 3: Testing of safety against ball throwing
DIN 18035-7 2019-12	Sports grounds – Part 7: Synthetic turf areas <i>(only section</i> <i>7.2 Bending strength</i> <i>7.4 Dimensional stability</i> <i>7.5 Compression set</i> <i>7.6 Weathering of spreading granulate with xenon radiation</i> <i>7.7 Exposure to hot water and heat</i> <i>7.9 Determination of transverse tensile strength, water infiltration</i> <i>rate (Table 8, 10, 12), slope and altitude (Table 9, 13), edging, (Table</i> <i>13))</i>
DIN 18541-1 2021-01	Thermoplastic waterstops for sealing joints in concrete – Part 1: Terms and definitions, shapes, dimensions, marking <i>(only section 5)</i>
DIN 18541-281262631 2021-01	Thermoplastic waterstops for sealing joints in concrete – Part 2: Material requirements and testing <i>(only section 4)</i>
DIN 52123 2014-06	Testing of bitumen and polymer bitumen sheets
DIN 53366 2007-10	Testing of plastic films and sheetings – Determination of blocking strength
DIN 53369 1976-02	Testing of plastic films; determination of the shrinking stress
DIN 55543-1 2010-01	Packaging test – Test methods for packaging films – Part 1: Determination of the film thickness
DIN 55543-2 2011-05	Packaging test – Test methods for packaging films – Part 2: Determination of peel resistance of glued seams of sacks

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DIN 55543-3 2010-06	Packaging test – Test methods for packaging films – Part 3: Determination of the strength of longitudinal seams of sacks and bags
DIN 55543-4 2017-03	Packaging test – Test methods for packaging films – Part 4: Determination of the shrinkage of plastic films in a liquid bath
DIN 55543-5 2017-10	Packaging test – Test methods for packaging films – Part 5: Determination of adhesion strength
DIN V 18032-2 2001-04	Sport halls – Halls for gymnastics, games and multi-purpose use – Part 2: Floors for sporting activities; Requirements, testing <i>(only section 6:</i> <i>6.2 Shock absorption, KA</i> <i>6.3 Standard deformation, StV</i> <i>6.4 Deformation recess, Wx</i> <i>6.5 Behavior under rolling load, VRL</i> <i>6.6 Impact resistance, SF</i> <i>6.7 Residual indentation, RE</i> <i>6.8 Vertical ball behaviour, BR)</i>
ASTM D 3330/D 3330M 2004	Standard Test Method for Peel Adhesion of Pressure-Sensitive Tape
ASTM E 96/E 96M 2016	Standard Test Methods for Water Vapor Transmission of Materials
ASTM F 1292a 2017	Specification for Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment <i>(only section Critical fall height test and installed surface performance test (Field Test))</i>
ASTM F 1306 2016	Standard Test Method for Slow Rate Penetration Resistance of Flexible Barrier Films and Laminates
ÖNORM S 2073 2019-01	Landfills – Geosynthetic barrier – Polymeric geosynthetic barrier (GBR-P) – Requirements for the product and its installation <i>(except section 4.2.5.5)</i>
BAM KDB 2019-05	Guidelines on the approval of plastic waterproofing sheeting for landfill lining <i>(only section 4)</i>

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DIBt Heft Nr. 11 2009-02	Construction and testing principles for coatings for concrete, plaster and screed surfaces of drip pans and catchment areas for fuel oil EL, unused combustion engine and vehicle gear oils and mixtures of saturated and aromatic hydrocarbons with an aromatic content of ≤ 20 weight-% and a flashpoint of > 55 °C (BPG coatings of catchment areas) <i>(only section 4)</i>
DIBt Heft Nr. 12 2009-03	Approval principles for coating systems for drip pans, catchment areas and surfaces made of concrete in facilities for the storage, filling and handling of water-polluting liquids (ZG coating systems for concrete in LAU systems) <i>(only section 4, annex 1)</i>
DIBt-Zulassungsgrundsätze 2002-11	Joint sealing systems in LAU systems – Part 2: Waterstops <i>(only sections 4, 5 and 7)</i>
DIBt-Zulassungsgrundsätze 2009-06	Lining membranes in LAU systems <i>(only section 4 except 4.10 and 6)</i>
DLG RUNDBALLENWICKELNETZE 2016-11	Test frame for round bale winding nets made of high-density polyethylene (PE-HD)
DLG SILOFOLIEN 2016-11	Testing programme for non-regenerated and regenerated silage films made of low-density polyethylene (PE-LD) with and without barrier layers
DLG SILOSCHUTZGITTER 1991-12	Testing programme for silo grilles made of polyethylene – Covering of silos
DLG SPARGELFOLIEN 2006-12	Testing programme for non-regenerated asparagus films made of low-density polyethylene (PE-LD)
DLG STRETCHFOLIEN 2017-11	Testing programme for stretch films made of linear low-density polyethylene (PE-LLD)
DVS 2225-2 2019-02	Joining of lining membranes made of polymer materials – Site testing
DVS 2225-4 2019-10	Welding of lining membranes made of polyethylene (PE) for the sealing of landfill and contaminated sites <i>(only section 6)</i>

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DVS 2225-5 2019-10	Welding of lining membranes of thermoplastic materials for tunnel construction <i>(only section 6)</i>
DVS 2227-1 2004-08	Welding of semi-finished products made of high-density polyethylene (PE-HD) for the sealing of concrete structures in the field of ground water protection and for corrosion protection <i>(only section 9)</i>
FIH 2021-02	Handbook of Performance, Durability and Construction Requirements for Synthetic Turf Hockey Pitches <i>(only sections 5: Turf Products: Performance Requirements and Test Procedures)</i>
GÜP BAY 1990-06	Quality and test specifications for quality assurance of outdoor floors for sporting activities with plastic flooring and indoor floors for sporting activities for quality assurance of floors for sporting activities in Bavaria <i>(only section 3)</i>
ITTF T3 2020	Technical Leaflet T3: The Ball <i>(only sections B and E)</i>
ITTF T4 2018	Racket Coverings Technical Leaflet T4: Racket Coverings <i>(only section B)</i>
SKZ HF 2.3 1986-01	Testing and monitoring specifications for roofing membranes made of chlorinated polyethylene (PE-C) with reinforcements made of woven fabric, fleece laminated on one side <i>(only section 3)</i>
UEAtc 2001-12	Technical Guide for the assessment of non-reinforced, reinforced and/or backed roof waterproofing systems made of PVC <i>(only section 4 except 4.3.1 - 4.3.3, 4.3.7, 4.3.20, 4.4.1.5)</i>

2.5 Cellular plastic testing

ISO 1209-1 2007-05	Rigid cellular plastics – Determination of flexural properties – Part 1: Basic bending test
ISO 1209-2 2007-05	Rigid cellular plastics – Determination of flexural properties – Part 2: Determination of flexural strength and apparent flexural modulus of elasticity

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ISO 2896 2001-07	Rigid cellular plastics – Determination of water absorption
ISO 7616 1986-08	Cellular plastics, rigid – Determination of compressive creep under specified load and temperature conditions
DIN EN ISO 844 2021-07	Rigid cellular plastics – Determination of compression properties
DIN EN ISO 845 2009-10	Cellular plastics and rubbers – Determination of apparent density
DIN EN ISO 1798 2008-04	Flexible cellular polymeric materials – Determination of tensile strength and elongation at break
DIN EN ISO 1856 2020-11	Flexible cellular polymeric materials – Determination of compression set
DIN EN ISO 1923 1995-06	Cellular plastics and rubbers – Determination of linear dimensions
DIN EN ISO 2439 2009-05	Flexible cellular polymeric materials – Determination of hardness (indentation technique)
DIN EN ISO 2440 2020-03	Flexible and rigid cellular polymeric materials – Accelerated ageing tests
DIN EN ISO 3386-2 2010-09	Polymeric materials, cellular flexible – Determination of stress-strain characteristics in compression – Part 2: High-density materials
DIN EN 822 2013-05	Thermal insulating products for building applications – Determination of length and width
DIN EN 823 2013-05	Thermal insulating products for building applications – Determination of thickness
DIN EN 824 2013-05	Thermal insulating products for building applications – Determination of edge straightness
DIN EN 825 2013-05	Thermal insulating products for building applications – Determination of water flatness
DIN EN 826 2013-05	Thermal insulating products for building applications – Determination of compression behaviour

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DIN EN 1602 2013-05	Thermal insulating products for building applications – Determination of apparent density
DIN EN 1603 2013-05	Thermal insulating products for building applications – Determination of dimensional stability under constant normal laboratory conditions (23 °C/ 50% relative humidity)
DIN EN 1604 2013-05	Thermal insulating products for building applications – Determination of deformation under specified compressive load and temperature conditions
DIN EN 1605 2013-05	Thermal insulating products for building applications – Determination of deformation under specified compressive load and temperature conditions
DIN EN 1606 2013-05	Thermal insulating products for building applications – Determination of compressive creep
DIN EN 1607 2013-05	Thermal insulating products for building applications – Determination of tensile strength perpendicular to faces
DIN EN 1608 2013-05	Thermal insulating products for building applications – Determination of tensile strength parallel to faces
DIN EN 1609 2013-05	Thermal insulating products for building applications – Determination of short term water absorption by partial immersion (<i>withdrawn</i>)
DIN EN 12087 2013-06	Thermal insulating products for building applications – Determination of long term water absorption by immersion (<i>withdrawn</i>)
DIN EN 12089 2013-06	Thermal insulating products for building applications – Determination of bending behaviour
DIN EN 12091 2013-06	Thermal insulating products for building applications – Determination of freeze-thaw resistance
DIN EN 12431 2013-05	Thermal insulating products for building applications – Determination of thickness for floating floor insulating products
DIN 13013 1977-12	Latex foam hospital mattresses; dimensions, requirements, testing
DIN 13014 1977-12	Polyether foam hospital mattresses; dimensions, requirements, testing

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DIN 53421 1984-06	Testing of rigid cellular plastics – Compression test <i>(standard withdrawn)</i>
DIN 53423 1975-11	Testing of rigid cellular plastics; bending test <i>(standard withdrawn)</i>
DIN 53430 1975-09	Testing of rigid cellular plastics; tensile test <i>(standard withdrawn)</i>
SKZ SP 7.1 2008-09	Test and monitoring specifications – Drain plates made of EPS <i>(only section 3)</i>
SKZ SP 7.2 2002-02	Test and monitoring specifications – Polyurethane installation foam <i>(only section 3)</i>

2.6 Container and other partial testing

ISO 2248 1985-12	Packaging – Complete, filled transport packages – Vertical impact test by dropping
DIN EN 840-1 2021-01	Mobile waste and recycling containers – Part 1: Containers with 2 wheels with a capacity up to 400 l for comb lifting devices – Dimensions and design
DIN EN 840-2 2020-06	Mobile waste and recycling containers – Part 2: Containers with 4 wheels with a capacity up to 1 300 l with flat lid(s), for trunnion and/or comb lifting devices – Dimensions and design
DIN EN 840-3 2020-06	Mobile waste and recycling containers – Part 3: Containers with 4 wheels with a capacity up to 1 300 l with dome lid(s), for trunnion and/or comb lifting devices – Dimensions and design
DIN EN 840-4 2020-06	Mobile waste and recycling containers – Part 4: Containers with 4 wheels with a capacity up to 1 700 l with flat lid(s), for wide trunnion or BG- and/or wide comb lifting devices – Dimensions and design
DIN EN 840-5 2020-06	Mobile waste and recycling containers – Part 5: Performance requirements and test methods
DIN EN 840-6 2020-06	Mobile waste and recycling containers – Part 6: Safety and health requirements

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DIN EN 13341 2011-04	Static thermoplastic tanks for above ground storage of domestic heating oils, kerosene and diesel fuels – Blow moulded and rotationally moulded polyethylene tanks and rotationally moulded tanks made of anionically polymerized polyamide 6 – Requirements and test methods
DIN EN 14879-5 2007-10	Organic coating systems and linings for protection of industrial apparatus and plants against corrosion caused by aggressive media – Part 5: Linings on concrete components <i>(only section 10.2, annexes E and F)</i>
DIN EN 15534-1 2018-02	Composites made from cellulose-based materials and thermoplastics (usually called wood-polymer composites (WPC) or natural fibre composites (NFC)) – Part 1: Test methods for characterisation of compounds and products <i>(except sections 8.4: Resistance to termite infestation 8.5: Resistance to biological infestation)</i>
DIN 30760 2019-04	Mobile waste containers – Waste containers with two wheels with a capacity from 60 l to 360 l for diamond lifting devices <i>(only section 8)</i>
DIN 53766-1 2016-03	Testing of glass fibre reinforced plastics apparatus, containers and pipes – Part 1: Determination of traction adhesive strength
APS-Prüfrichtlinie 2004-09	Watertightness of construction site samples from locally hardened pipe liners <i>(only section on implementation of test)</i>
BPG T 3 1985-01	Construction and testing principles for water protection – Part 3 <i>(only section 3 without fire test)</i>
BPG T 3-1 1984-12	Construction and testing principles for above-ground GF-UP containers and container parts <i>(only section 3)</i>
BPG T 3-3 1984-12	Construction and testing principles for above-ground containers and container parts made of thermoplastics <i>(only section 3)</i>
BPG T 3-4 1983-12	Construction and testing principles for underground reinforced concrete tanks with leak-proof linings for storing fuel oil EL and diesel fuel <i>(only section 3)</i>

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RAL-GZ 951/1 2013-06	Plastic containers for waste and recycling materials – Quality assurance <i>(only section 3)</i>
RAL-GZ 951/2 2001-02	Quality and test specifications for mobile waste and recycling containers made of metal <i>(only section 3)</i>
SKZ FL 5.2 1983-01	Test and monitoring specifications: Storage boxes made of HDPE <i>(only section 3)</i>
SKZ FS 1.1 2018-07	Test and monitoring specifications: Mobile waste and recycling containers with 2 wheels for the GS mark <i>(only section 4)</i>
SKZ FS 1.2 2018-07	Test and monitoring specifications: Mobile waste and recycling containers with 4 wheels for the GS mark <i>(only section 4)</i>
SKZ FS 2.1 1995-09	Test and monitoring specifications for PE mortar containers with the GS mark <i>(only section 3)</i>
SKZ FS 2.4 1995-09	Test specifications for GRP mortar containers with the GS mark <i>(only section 3)</i>
SKZ FS 5.3 1998-05	Test and monitoring specifications: Gratings made of PP <i>(only section 3)</i>
VDA 4500 Part 2 2015-11	Small Load Carrier (KLT) System – Part 2 (VDA approval, certification and quality assurance system) <i>(only sections 3.3, 3.4, annex 2.1)</i>
VDA 4503 Part 2 2015-05	Standardized load carrier and for car and truck wheels – Part 2 (Certification and monitoring procedures) <i>(only annex 2.5)</i>
VHI quality and test specifications 2017-03	Quality and test specifications for production control of terrace decks made of wood-polymer materials

2.7 Sealant testing

ISO 8339 2005-06	Building construction – Sealants – Determination of tensile properties (Extension to break)
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ISO 8340 2005-06	Building construction – Sealants – Determination of tensile properties at maintained extension
DIN EN ISO 9046 2016-02	Building construction – Jointing products – Determination of adhesion/cohesion properties of sealants at constant temperature
DIN ISO 11527 2018-12	Buildings and civil engineering works – Sealants – Test method for the determination of stringiness
DIN ISO 16938-1 2012-12	Building construction – Determination of the staining of porous substrates by sealants used in joints – Part 1: Test with compression
DIN ISO 16938-2 2012-12	Building construction – Determination of the staining of porous substrates by sealants used in joints – Part 2: Test without compression
DIN EN ISO 7389 2004-04	Building construction – Jointing products – Determination of elastic recovery of sealants
DIN EN ISO 7390 2004-04	Building construction – Jointing products – Determination of resistance to flow of sealants
DIN EN ISO 8394-1 2011-05	Building construction – Jointing products – Part 1: Determination of extrudability of sealants
DIN EN ISO 8394-2 2018-03	Building construction – Jointing products – Part 2: Determination of extrudability of sealants using standardized apparatus
DIN EN ISO 9047 2016-02	Building construction – Jointing products – Determination of adhesion/cohesion properties of sealants at variable temperatures
DIN EN ISO 10563 2017-09	Buildings and civil engineering works – Sealants – Determination of change in mass and volume
DIN EN ISO 10590 2005-10	Building construction – Sealants – Determination of tensile properties of sealants at maintained extension after immersion in water
DIN EN ISO 10591 2005-10	Building construction – Sealants – Determination of adhesion/cohesion properties of sealants after immersion in water
DIN EN ISO 11431 2013-01	Building construction – Jointing products – Determination of adhesion/cohesion properties of sealants after exposure to heat, water and artificial light through glass

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DIN EN ISO 11432 2005-10	Building construction – Sealants – Determination of resistance to compression
EN 14187-3 2017-07	Cold applied joint sealants – Test methods – Part 3: Determination of self-levelling properties
DIN EN 15651-1 2017-07	Sealants for non-structural use in joints in buildings and pedestrian walkways – Part 1: Sealants for facade elements <i>(only section 4)</i>
DIN EN 15651-2 2017-07	Sealants for non-structural use in joints in buildings and pedestrian walkways – Part 2: Sealants for glazing <i>(only section 4)</i>
DIN EN 15651-3 2017-07	Sealants for non-structural use in joints in buildings and pedestrian walkways – Part 3: Sealants for sanitary joints <i>(only section 4 with the exception of microbiological resistance as per ISO 846)</i>
DIN EN 15651-4 2017-11	Sealants for non-structural use in joints in buildings and pedestrian walkways – Part 4: Sealants for pedestrian walkways <i>(only section 4)</i>
DIN 52452-2 2015-07	Testing of sealants in building construction – Compatibility of sealants – Part 2: Change of adhesion/cohesion properties after immersion in chemical liquids
DIN 52452-4 2015-12	Testing of sealants in building construction – Compatibility of sealants – Part 4: Compatibility with other protection coatings
DIN 52453-2 2013-03	Testing of sealing compounds for sealing and glazing in building constructions – Part 2: Determination of the migration of binder by filter paper method
DIN 52455-1 2015-08	Testing of sealing compounds in buildings constructions – Adhesion and expansion test – Part 1: Conditioning in standard atmospheres, water or increased temperatures
DIBt 2006-01	Heft 16/1 Zulassungsgrundsätze – Joint sealing systems in LAU systems – Part 1: Joint sealants <i>(sections 4 and 5 except 5.3.5)</i>
ift Guideline 1998-09	Testing and assessment of streaking and abrasion of glazing sealants

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IVD-MERKBLATT NR 1 2014-11	Sealing of floor joints with elastic sealants (<i>only sections 11 - 13</i>)
IVD MERKBLATT NR 4 2014-11	Sealing of joints in building construction with elastomeric joint tapes (<i>section 9 except 9.9</i>)

2.8 Compound testing

DIN EN 14598-2 2005-07	Reinforced thermosetting moulding compounds – Specification for Sheet Moulding Compound (SMC) and Bulk Moulding Compound (BMC) – Part 2: Methods of test and general requirements
DIN EN ISO 1622-2 1999-10	Plastics – Polystyrene (PS) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (<i>only section 5</i>) (<i>standard withdrawn</i>)
DIN EN ISO 7391-2 2006-06	Plastics – polycarbonate (Pc) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (<i>section 6</i>) (<i>standard withdrawn</i>)
DIN EN ISO 16396-2 2017-07	Plastics – Polyamide (PA) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (<i>only section 6</i>)
DIN EN ISO 21305-2 2019-05	Plastics – Polycarbonate (PC) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties
DVS 2201-2 1985-07	Testing of semi-finished products of thermoplastics – Weldability – Test methods – Requirements (<i>only section 3</i>) (<i>document withdrawn</i>)
DVS 2211 2020-07	Welding of thermoplastics – Welding fillers – Marking, requirements and tests (<i>only section 4</i>)
ISO 1163-2 1999-10	Plastics – Unplasticized poly(vinyl chloride) (PVC-U) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (<i>only section 5</i>) (<i>withdrawn</i>)

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3 Analytical testing

3.1 Thermal testing

ISO 580 2005-02	Plastics piping and ducting systems – Injection-moulded thermoplastics fittings – Methods for visually assessing the effects of heating <i>(only sections 4 and 5)</i>
ISO 2796 1986-08	Cellular plastics, rigid; Test for dimensional stability
ISO 6964 1986-12	Polyolefin pipes and fittings; Determination of carbon black content by calcination and pyrolysis; Test method and basic specification
ISO 9924-1 2016-08	Rubber and rubber products – Determination of the composition of vulcanizates and uncured compounds by thermogravimetry – Part 1: Butadiene, ethylene-propylene copolymer and terpolymer, isobutene-isoprene, isoprene and styrene-butadiene rubbers
ISO 9924-2 2016-08	Rubber and rubber products – Determination of the composition of vulcanizates and uncured compounds by thermogravimetry – Part 2: Acrylonitrile-butadiene and halobutyl rubbers
ISO 11359-2 1999-10	Plastics – Thermomechanical analysis (TMA) – Part 2: Determination of coefficient of linear thermal expansion and glass transition temperature
DIN EN ISO 11357-2 2020-08	Plastics – Differential scanning calorimetry (DSC) – Part 2: Determination of glass transition temperature and glass transition step height
DIN EN ISO 11357-3 2018-07	Plastics – Differential scanning calorimetry (DSC) – Part 3: Determination of temperature and enthalpy of melting and crystallization
DIN EN ISO 11357-6 2018-07	Plastics – Differential scanning calorimetry (DSC) – Part 6: Determination of oxidation induction time (isothermal OIT) and oxidation induction temperature (dynamic OIT)
DIN EN ISO 75-1 2020-06	Plastics – Determination of temperature of deflection under load – Part 1: General test method

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DIN EN ISO 75-2 2013-08	Plastics – Determination of temperature of deflection under load – Part 2: Plastics and ebonite
DIN EN ISO 75-3 2004-09	Plastics – Determination of temperature of deflection under load – Part 3: High-strength thermosetting laminates and long-fibre-reinforced plastics
DIN EN ISO 305 2019-09	Plastics – Determination of thermal stability of poly(vinyl chloride), related chlorine-containing homopolymers and copolymers and their compounds – Discoloration method (<i>only method B</i>)
DIN EN ISO 1172 1998-12	Textile-glass-reinforced plastics – Prepregs, moulding compounds and laminates – Determination of the textile-glass and mineral-filler content; calcination methods
DIN EN ISO 3451-1 2019-05	Plastics – Determination of ash – Part 1: General methods (<i>only section 7, A, D</i>)
DIN EN ISO 3451-4 2001-08	Plastics – Determination of ash – Part 4: Polyamides
DIN EN ISO 3451-5 2002-10	Plastics – Determination of ash – Part 5: Poly(vinyl chloride)
DIN EN ISO 11358-1 2014-10	Plastics – Thermogravimetry (TG) of polymers – Part 1: General principles
DIN EN 14581 2005-03	Natural stone test methods – Determination of linear thermal expansion coefficient
DIN EN 14617-11 2005-06	Agglomerated stone – Test methods – Part 11: Determination of linear thermal expansion coefficient
DIN 51045-1 2005-08	Determination of the thermal expansion of solids – Part 1: Basic rules
DIN 53497 2017-04	Testing of plastics – Hot storage test on mouldings made of thermoplastic moulding materials without external mechanical stressing

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DIN 53752 1980-12	Testing of plastics; determination of the coefficient of linear thermal expansion <i>(standard withdrawn)</i>
ASTM D 1603 2020	Standard Test Method for Carbon Black Content in Olefin Plastics
ASTM D 3418 2015	Standard Test Method for Transition Temperatures and Enthalpies of Fusion and Crystallization of Polymers by Differential Scanning Calorimetry
ASTM D 3895 2019	Standard Test Method for Oxidative-Induction Time of Polyolefins by Differential Scanning Calorimetry
ASTM D 5885/D 5885M 2017	Standard Test Method for Oxidative Induction Time of Polyolefin Geosynthetics by High-Pressure Differential Scanning Calorimetry

3.2 Chemical testing

ISO 8361-1 1991-09	Thermoplastics pipes and fittings; water absorption; Part 1: General test method
ISO 10147 2011-09	Pipes and fittings made of crosslinked polyethylene (PE-X) – Estimation of the degree of crosslinking by determination of the gel content <i>(only sections 3, 5 and 6)</i>
ISO 1407 2011-12	Rubber – Determination of solvent extract
ISO 18553 2002-03	Method for the assessment of the degree of pigment or carbon black dispersion in polyolefin pipes, fittings and compounds
DIN ISO 1817 2016-11	Rubber, vulcanised or thermoplastic – Determination of the effect of liquids
DIN EN ISO 175 2011-03	Plastics – Methods of test for the determination of the effects of immersion in liquid chemicals
DIN EN ISO 177 2017-05	Plastics – Determination of migration of plasticizers

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DIN EN ISO 182-2 2000-02	Plastics – Determination of the tendency of compounds and products based on vinyl chloride homopolymers and copolymers to evolve hydrogen chloride and any other acidic products at elevated temperatures – Part 2: pH method
DIN EN ISO 182-3 2001-02	Plastics – Determination of the tendency of compounds and products based on vinyl chloride homopolymers and copolymers to evolve hydrogen chloride and any other acidic products at elevated temperatures – Part 3: Conductometric method
DIN EN ISO 787-7 2010-02	General methods of test for pigments and extenders – Part 7: Determination of residue on sieve – Water method – Manual procedure
DIN EN ISO 787-9 2019-06	General methods of test for pigments and extenders – Part 9: Determination of pH value of an aqueous suspension
DIN EN ISO 3251 2019-09	Paints, varnishes and plastics – Determination of non-volatile-matter content
DIN EN ISO 6427 2014-08	Plastics – Determination of matter extractable by organic solvents (conventional methods)
DIN EN ISO 22088-1 2006-11	Plastics – Determination of resistance to environmental stress cracking (ESC) – Part 1: General guidelines
DIN EN ISO 22088-2 2006-11	Plastics – Determination of resistance to environmental stress cracking (ESC) – Part 2: Tensile creep test
DIN EN ISO 22088-3 2006-11	Plastics – Determination of resistance to environmental stress cracking (ESC) – Part 3: Bent strip method
DIN EN ISO 22088-4 2006-11	Plastics – Determination of resistance to environmental stress cracking (ESC) – Part 4: Ball or pin impression method
DIN EN 12099 1997-08	Plastics piping systems – Polyethylene piping materials and components – Determination of volatile content
DIN EN 14617-10 2012-06	Agglomerated stone – Test methods – Part 10: Determination of chemical resistance
DIN 53381-1 1983-05	Testing of plastics; determination of thermostability of polyvinyl chloride (PVC); dehydrochlorination methods (<i>withdrawn</i>)

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VDA 270 2018-06	Determination of the odour characteristics of trim materials in motor vehicles
Volkswagen AG PV 3900 2008-08	Components of the vehicle interior – Odour test

3.3 Microbiological analysis of materials for the drinking water sector

DIN EN 16421 2015-05	Influence of materials on water for human consumption – Enhancement of microbial growth (EMG) (<i>only method 2</i>)
DVGW W 270 2007-11	Microbial enhancement on materials to come into contact with drinking water – Testing and assessment

3.4 Climatic, UV and weathering testing

DIN EN ISO 105-B01 2014-12	Textiles – Tests for colour fastness – Part B01: Colour fastness to light: Daylight
DIN EN ISO 105-B02 2014-11	Textiles – Tests for colour fastness – Part B02: Colour fastness to artificial light: Xenon arc fading lamp test
DIN EN ISO 105-B04 1997-05	Textiles – Tests for colour fastness – Part B04: Colour fastness to artificial weathering: Xenon arc fading lamp test
DIN EN ISO 291 2008-08	Plastics – Standard atmospheres for conditioning and testing
DIN EN ISO 4611 2011-04	Plastics – Determination of the effects of exposure to damp heat, water spray and salt mist
DIN EN ISO 4892-2 2013-06	Plastics – Methods of exposure to laboratory light sources – Part 2: Xenon-arc lamps
DIN EN ISO 4892-3 2016-10	Plastics – Methods of exposure to laboratory light sources – Part 3: Fluorescent UV lamps
DIN EN ISO 6270-2 2018-04	Paints and varnishes – Determination of resistance to humidity – Part 2: Condensation (in-cabinet exposure with heated water reservoir)

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DIN EN ISO 9227 2017-07	Corrosion tests in artificial atmospheres – Salt spray tests
DIN EN ISO 13260 2018-01	Thermoplastics piping systems for non-pressure underground drainage and sewerage – Test method for resistance to combined temperature cycling and external loading
DIN EN ISO 16871 2003-12	Plastics piping and ducting systems – Plastics pipes and fittings – Method for exposure to direct (natural) weathering
DIN EN 317 1993-08	Particleboards and fibreboards – Determination of swelling in thickness after immersion in water
DIN EN 321 2002-03	Wood-based panels – Determination of moisture resistance under cyclic test conditions
DIN EN 322 1993-08	Wood-based panels – Determination of moisture content
DIN EN 1087-1 1995-04	Particleboards – Determination of moisture resistance – Part 1: Boil test
DIN 50018 2013-05	Testing in a saturated atmosphere in the presence of sulphur dioxide
DIN 53508 2000-03	Testing of rubber – Accelerated ageing
DIN 75201 2011-11	Determination of the fogging characteristics of trim materials in the interior of automobiles
ASTM D 618 2013	Standard Practice for Conditioning Plastics for Testing
ASTM D 4355/D 4355M 2014	Standard Test Method for Deterioration of Geotextiles by Exposure to Light, Moisture and Heat in a Xenon Arc-Type Apparatus
ASTM D 7238 2006	Standard Test Method for Effect of Exposure of Unreinforced Polyolefin Geomembrane Using Fluorescent UV Condensation Apparatus
ASTM D 7869 2017	Standard Practice for Xenon Arc Exposure Test with Enhanced Light and Water Exposure for Transportation Coatings

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ASTM G 151 2019	Standard Practice for Exposing Nonmetallic Materials in Accelerated Test Devices that Use Laboratory Light Sources
ASTM G 154 2016	Standard Practice for Operating Fluorescent Ultraviolet (UV) Lamp Apparatus for Exposure of Nonmetallic Materials
Fiat 50451/01-Method A:2002-08	Accelerated Ageing in Sunlight
FLTM BO 116-01 2013-10	Restistance to Interior Weathering
GM GME 60292 2008-08	Determination of Colour Fastness and Resistance to Artificial Light – Assessment of resistance to fading and light fastness
GM GMW 14162 2016-11	Colorfastness to Artificial Weathering
GM GMW 14170 2014-01	Coating Requirements for Elastomeric Seals – § 4.2.9
GM GMW 14650 2016-09	Performance Requirements for Exterior Plastic Parts – § 4.1
Hyundai/Kia MS-210-05 § 4.5 2004-06	Material Specification Molded Plastic Parts – Interior Use, Fading Resistance
PSA PEUGEOT - CITROËN D27 1389 2007-06	Paint Coatings, Rubbers and Plastics – Artificial Ageing by Weather-Ometer
PSA PEUGEOT - CITROËN D47 1431 2000-09	Materials and Parts for Passenger Compartment: Colour Fastness to Artificial Light at High and Mean Temperatures
Renault D27 1911 2007-06	Rubber and Plastic, Paint coatings – Artificial Ageing Using Weatherometer
SAE J2412 2015-08	Accelerated Exposure of Automotive Interior Trim Components Using a controlled Irradiance Xenon-Arc Apparatus
SAE J2527 2004-02	Performance Based Standard for Accelerated Exposure of Automotive Exterior Materials Using A Controlled Irradiance Xenon-Arc Apparatus

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Volkswagen AG PV 1200 2004-10	Vehicle components – Climatic resistance test (+ 80/-40) °C
Volkswagen AG PV 1303 2001-03	Non-metallic materials – Exposure test for components of the vehicle interior
Volkswagen AG PV 3929 2018-03	Non-metallic materials – Weathering in dry and hot climates (Exterior)
Volkswagen AG PV 3930 2017-11	Non-metallic materials – Weathering in humid and warm climates (Exterior)
Volvo STD 1027, 337 2001-01	Light exposure – Accelerated ageing of exterior materials
Volvo STD 423-0047 2013-12	Light exposure at 100 °C accelerated colour fastness of interior materials
Volvo VCS 1027, 359 2005-02	Colour fastness to artificial light at 75 °C – accelerated ageing of interior materials

4 Electrical and optical testing

ISO 7724-2 1984-10	Paints and varnishes; Colorimetry; Part 2: Colour measurement <i>(document withdrawn)</i>
ISO 7724-3 1984-10	Paints and varnishes; Colorimetry; Part 3: Calculation of colour differences <i>(document withdrawn)</i>
DIN IEC 60093 (VDE 0303-30) 1993-12	Methods of test for insulating materials for electrical purposes; volume resistivity and surface resistivity of solid electrical insulating materials <i>(standard withdrawn)</i>
DIN EN ISO 105-A01 2010-05	Textiles – Tests for colour fastness – Part A01: General principles of testing <i>(only sections 10, 12 and 15)</i>
DIN EN ISO 105-B05 1995-12	Textiles – Tests for colour fastness – Part B05: Detection and assessment of photochromism

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DIN EN ISO 2409 2013-06	Paints and varnishes – Cross-cut test
DIN EN ISO 2813 2015-02	Paints and varnishes – Determination of gloss value at 20°, 60° and 85°
DIN EN ISO 7686 2005-10	Plastics pipes and fittings – Determination of opacity
DIN EN 1081 2021-01	Resilient, laminate and modular multilayer floor coverings – Determination of the electrical resistance
DIN EN 13415 2010-05	Test of adhesive for floor covering – Determination of the electrical resistance of adhesive films and composites <i>(withdrawn)</i>
DIN EN 20105-A02 1994-10	Textiles – Tests for colour fastness – Part A02: Grey scale for assessing change in colour
DIN EN 20105-A03 1994-10	Textiles – Tests for colour fastness – Part A03: Grey scale for assessing staining
DIN EN 60112 (VDE 0303-11) 2010-05	Method for the determination of the proof and the comparative tracking indices of solid insulating materials
DIN EN 62631-3-1 (VDE 0307-3-1) 2017-01 Corrigendum 1 2018-09	Dielectric and resistive properties of solid insulating materials – Part 3-1: Determination of resistive properties (DC methods) – Volume resistance and volume resistivity – General method
DIN EN 62631-3-2 (VDE 0307-3-2) 2016-10 Corrigendum 1 2018-09	Dielectric and resistive properties of solid insulating materials – Part 3-2: Determination of resistive properties (DC Methods) – Surface resistance and surface resistivity
DIN 5036-3 1979-11	Radiometric and photometric properties of materials; methods of measurement for photometric and spectral radiometric characteristics
DIN 6167 1980-01	Description of yellowness of near-white or near-colourless materials

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DIN 53236 2018-02	Testing of colouring materials; conditions of measurement and evaluation for the determination of colour differences for paint coatings, similar coatings and plastics
DIN 53483-1 1969-07	Testing of insulating materials; determination of dielectric properties; definitions, general information
DIN 53483-2 1970-03	Testing of insulating materials; determination of dielectric properties; testing at standard frequencies of 50 Hz, 1 kHz, 1 MHz
ASTM D 1003 2013	Standard Test Method for Haze and Luminous Transmittance of Transparent Plastics
ASTM D 7466 2010	Standard Test Method for Measuring the Asperity Height of Textured Geomembrane
ASTM D 5596 2003	Standard Test Method For Microscopic Evaluation of the Dispersion of Carbon Black in Polyolefin Geosynthetics
TCS 2114.2 1999-01	Fittings – Opacity Test (Armaturen - Opazität-Prüfung)

5 Testing of construction products under Regulation (EU) No 305/2011 laying down harmonised conditions for the marketing of construction products (Construction Products Regulation)

Decision of the Commission	System ¹⁾	Technical specification
1999/90/EC Flexible sheets for waterproofing	3	EN 13859-1:2010 Flexible sheets for waterproofing – Definitions and characteristics of underlays – Part 1: Underlays for discontinuous roofing
		EN 13859-2:2010 Flexible sheets for waterproofing – Definitions and characteristics of underlays – Part 2: Underlays for walls
		EN 13970:2004/A1:2006 Flexible sheets for waterproofing – Bitumen water vapour control layers – Definitions and characteristics
		EN 13984:2013 Flexible sheets for waterproofing – Plastic and rubber vapour control layers – Definitions and characteristics
		EN 14909:2012 Flexible sheets for waterproofing – Plastic and rubber damp proof courses – Definitions and characteristics
		EN 14967:2006 Flexible sheets for waterproofing – Bitumen damp proof courses – Definitions and characteristics
1999/472/EC Pipes, containers and accessories that do not come into contact with drinking water	3	EN 13341:2005 + A1:2011 Static thermoplastic tanks for above ground storage of domestic heating oils, kerosene and diesel fuels – Blow moulded and rotationally moulded polyethylene tanks and rotationally moulded tanks made of anionically polymerized polyamide 6 – Requirements and test methods
2011/19/EC Sealants for non-load-bearing connections in buildings and pedestrian walkways	3	EN 15651-1:2012 Sealants for non-structural use in joints in buildings and pedestrian walkways – Part 1: Sealants for facade elements
		EN 15651-2:2012 Sealants for non-structural use in joints in buildings and pedestrian walkways – Part 2: Sealants for glazing
		EN 15651-3:2012 Sealants for non-structural use in joints in buildings and pedestrian walkways – Part 3: Sealants for sanitary joints

Decision of the Commission	System ¹⁾	Technical specification
2011/19/EC Sealants for non-load-bearing connections in buildings and pedestrian walkways	3	EN 15651-4:2012 Sealants for non-structural use in joints in buildings and pedestrian walkways – Part 4: Sealants for pedestrian walkways

¹⁾ System of assessment and verification of consistency of performance

The requirements for a testing laboratory are fulfilled according to article 43 of the Construction Products Regulation. Testing methods, which are necessary for determining the product type and cannot be executed by the holder of the certificate, are described in the list of subcontractors.

Without prior approval by the DAkKS German Accreditation Body, the testing laboratory body is permitted to use new revisions of the harmonised technical specifications.

Abbreviations used:

APS	Arbeitskreis Prüfinstitute Schlauchliner (testing institute working group on liners)
AS	Australian Standard
ASTM	American Society for Testing and Materials
ATV	Abwassertechnische Vereinigung (technical association for sewage)
BAM	Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing)
BPG	Bau- und Prüfgrundsätze (construction and testing principles)
BRL	Kiwabeoordelingsrichtlijn
BS	British Standard
DBB	Deutsche Bundesbahn (German Federal Railways)
DIBt	Deutsches Institut für Bautechnik (Centre of Competence for Construction)
DIN	Deutsches Institut für Normung e.V. (German Institute for Standardisation)
DLG	Deutsche Landwirtschafts-Gesellschaft (German Agricultural Society)
DS	Dansk Standard
DVGW	Deutscher Verein des Gas- und Wasserfaches e.V. (German Association of the Gas and Water Industry)
DVS	Deutscher Verband für Schweißen und verwandte Verfahren e.V. (German Welding Society)
DVWK	Deutscher Verein für Warenkennzeichnung (German association for product labelling)
EN	European Standard
FIH	Federation International de Hockey
FTLM	Ford Laboratory Test Method
FTZ	Funktechnische Zentralanstalt (central institution for radio technology)
GKR	Gütegemeinschaft Kunststoffrohre e.V. (association for plastic pipe quality)
GRIS	Güteschutzverband Rohre im Siedlungswasserbau (association for quality assurance of pipes in municipal hydraulic engineering)
GM	General Motors
GME	General Motors European Engineering Standard
GMW	General Motors Worldwide
GÜP BAY	Güte- und Prüfbestimmungen Bayern (Bavarian quality and testing regulations)
IEC	International Electrotechnical Commission
ift	Institut für Fenstertechnik e.V. (Institute of Window Technology)
ISO	International Organisation for Standardisation
ITTF	International Table Tennis Federation
IVD	Industrieverband Dichtstoffe (industry association for sealants)
KRV	Kunststoff-Rohr-Verband (plastic pipe association)
MVSS	Motor Vehicle Safety Standard
NEN	Nederlandse Norm
NF	Norme française
NRW	North Rhine-Westphalia
NZ	New Zealand Standard
ÖNORM	Austrian standard
ÖVGW	Österreichische Vereinigung für das Gas- und Wasserfach (Austrian Association for the Gas and Water Industry)

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ONR	Österreichische Norm Regel (Austrian standard rule)
PAS	Publicly Available Specification
R	ARGE guideline (Arbeitsgemeinschaft Liegenschaftsentwässerung suissetec-VSA)
RAL	Deutsches Institut für Gütesicherung und Kennzeichnung (German Institute for Quality Assurance and Labelling)
SAE	Society of Automotive Engineers
SIA	Schweizerischer Ingenieur- und Architektenverein Zürich (Swiss Association of Engineers and Architects Zurich)
SKZ	In-house method of SKZ - Testing GmbH
SN	Swiss standard
SPF	Sveriges Plastförbund
SVGW	Schweizer Verein des Gas- und Wasserfachs (Swiss Association of the Gas and Water Industry)
TCS	Test Code Sheet, WRc Evaluation & Testing Code Centre Ltd, UK
UEAtc	Union Europeene pour l'Agrèment technique dans la construction
UL	Underwriter Laboratories
VDA	Verband Deutscher Automobilhersteller (Association of German Automobile Manufacturers)
VDE	Verband Deutscher Elektrotechniker (Association of German Electrical Engineers)
VKR	Verband Kunststoffrohre und Rohrleitungsteile (Swiss association for plastic pipes and piping parts)