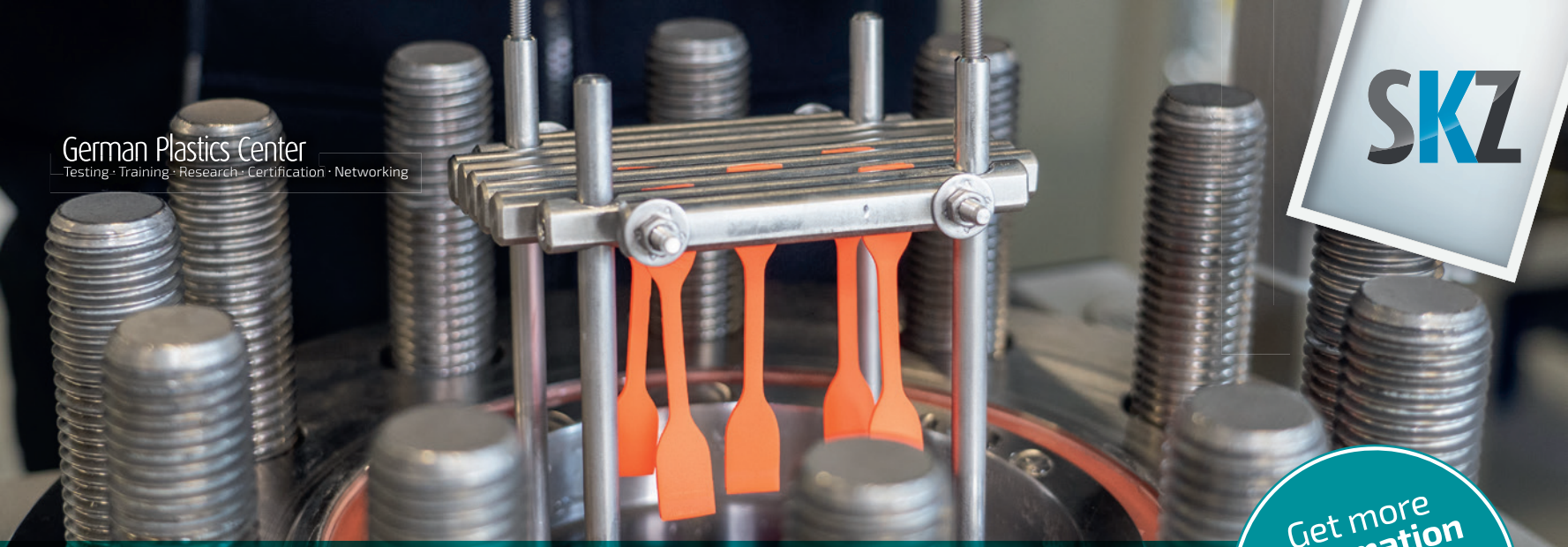
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High pressure autoclave test

Service life estimation using accelerated aging

Planning certainty starts with reliable data: Using our high-pressure autoclaves, we provide **service life estimates** for your products and materials. You'll have a solid foundation for development, certification, quality assurance, and communication with your customers.

Advantages of high pressure autoclave testing

- Faster development processes (time to market)
- Faster material comparisons in just a few weeks—ideal for approvals
- Very long service life analyses possible (even > 100 years)
- Confident decision-making



A service life estimation ensures that your **material quality** or **stabilizer system** is suitable for the application. In a high-pressure autoclave test, samples are exposed to elevated temperatures and oxygen pressure in an aqueous medium. The increased availability of oxygen leads to accelerated **thermo-oxidative aging**. Our 3D analysis provides you with a reliable estimate of the thermo-oxidative service life under realistic operating conditions.

This accelerated test procedure is suitable for:

- Components | sheets | semi-finished products
- Geosynthetics
- Pipes
- Yarns
- Films | Sheets
- Granules

  and other products

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