



## Fields of Application of our test technique

- Hardness test
- Density
- Dimensional inspection
- Tensile tests
- Compression set
- Tension set
- Compression set at low temperatures
- Immersion tests
- Tear strength
- Heat ageing
- Stress Relaxation in Compression
- Visual inspection
- Rebound resilience
- TR 10-Test
- Ozone resistance
- Thermogravimetric analysis TGA
- Infrared spectroscopy FTIR
- Differential scanning calorimetry DSC
- Pyrolysis GC-MS-analysis
- Dynamic mechanical analysis DMA
- Measurement of electrical properties
- Sortation according to given tolerances



## 25 years of good customer service

Since the founding of the test laboratory in 1996 it was of importance to company founder Bernhard Richter not only to deliver good test results but also to competently advise and optimally support customers at all times. Based on this idea the consulting and support team has been expanded continuously.

Please contact our technical and commercial support under:  
[www.o-ring-prueflabor.de/en/test-laboratory/customer-support-and-consulting/](http://www.o-ring-prueflabor.de/en/test-laboratory/customer-support-and-consulting/)

## Contact

O-Ring Prüflabor Richter GmbH  
Kleinbottwarer Str. 1, 71723 Großbottwar  
Tel: +49 7148 16602-0 / E-Mail: [info@o-ring-prueflabor.de](mailto:info@o-ring-prueflabor.de)  
[www.o-ring-prueflabor.de](http://www.o-ring-prueflabor.de)



# THE LABORATORY

for Elastomers & Seals,  
Testing & Consulting



# Elastomer Tests Failure Analyses Seminars

## Professional Elastomer Tests

To ensure that our results are accurate and reliable on a permanent basis, our testing equipment is always in line with the latest state of the art. Beyond that we have been accredited according to DIN EN ISO/IEC 17025 (D-PL-17196-01-00) continuously since 2002, thus we guarantee the compliance of our organisational structures and processes with the highest international requirements. Through our focus on lean processes and the continual investment in equipment and human resources we are able to process even large, complex and time-critical orders fast and reliably. Therefore we are able to count companies from many sectors of industry – from small to medium-sized enterprises to major corporations that operate globally – among our satisfied customers.



## Practice-oriented Seminars

To pass on expert knowledge in a comprehensible way – that is the motto of the offered seminars. Our seminars are tailor-made for sealing users and try to give answers to questions that actually matter in everyday life. They impart information which is independent of manufacturers and assist with the dimensioning and specification of seals. Through many practical examples the seminars are diverting and offer enough possibility for intensive enquiries. Seminars in English language are only offered as inhouse-events.



## Competent Failure Analyses

In our laboratory we pool expertise in the processing of elastomers, expert knowledge about the chemical structure of elastomers, and experience in application technology to be able to assess the cause of failure of an elastomer part in a reliable way. Only thus it is possible to differentiate reliably between chemical, thermal and physical overload and manufacturing or dimensioning faults. Our numerous analytical methods help us to discover and assess traces on failed parts.