



## DIK – you can rely on us

At DIK, your research assignments will be executed by highly-qualified staff with many years of experience. A modern project management system ensures that the work is carried out optimally, so that you reach your desired goals quickly and have confidence in the outcomes presented.

Trustworthy: Test reports from DIK stand for expertise, confidentiality and neutrality.

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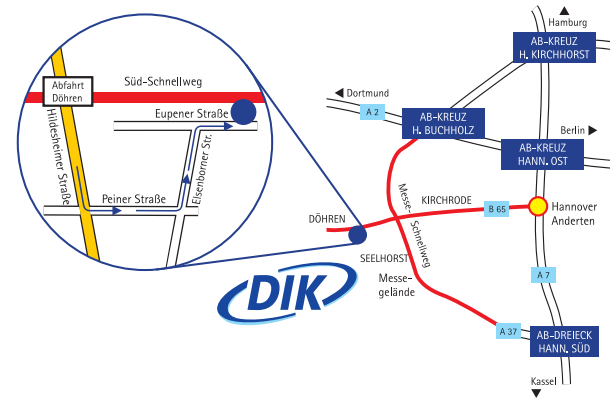
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## How to find DIK



Layout: www.kitazo.de



## Testing – developing – optimizing

Rubber technology: services and more



Deutsches Institut  
für Kautschuktechnologie e.V.



## Your partner for all aspects of rubber technology

The performance of elastomeric materials and components with regard to resistance, elasticity, service life and functional reliability depends on many factors. Most significant are the quality of the raw materials used, the constituents and the processing method in all its individual stages such as mixing, extruding, shaping and vulcanization.

In this and many other branches of rubber technology, DIK offers an extensive range of services. Rely on us for assistance on chemical, physical, material or process issues.

## Our range of services at a glance

We offer:

- standard physical and chemical tests for quality control and characterization of raw materials and compounds using DIN, ISO, ASTM or industry-specific methods



- investigation of rheologic, electric and dielectric properties
- complex chemical and physical damage analyses
- environmental and occupational safety analyses
- determination of characteristic data for materials under specific operating conditions
- investigation of processing behavior
- process analyses: mixing, extrusion, injection molding, calendaring and vulcanization
- materials development
- machine utilization, e.g. for the efficient production of test products in a laboratory environment
- surface modification of polymers by plasma treatment at atmospheric pressure
- ...

## DIK's equipment

DIK uses state-of-the-art equipment to carry out contracted work and for interdisciplinary problem solving. It includes:

- chromatography
- mass spectrometry
- IR spectrometry
- thermoanalysis
- high resolution computer tomography
- microscopy
- rheology
- physical tests
- mech.-dyn. spectroscopy
- fracture mechanics analysis (tear analyzer)
- processing machines
- vulcanization equipment.

## Benefit from our experience

Numerous special tests are carried out at a high level of expertise by virtue of the knowledge gained from extensive research activities and the interdisciplinary nature of the institute.

Included are special testing for material resistance and service life, e.g. for tires, power transmission elements, sealing systems and mounting elements as well as trace analysis of polymer materials for the medical, pharmaceutical and food sectors, such as nitrosamine analysis.

Extensive activities related to the validation of methods as well as quality management systems and the application of DIN EN ISO/IEC 17025 standards guarantee accuracy and reliability.

