

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-19941-02-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 08.07.2019

Date of issue: 08.07.2019

Holder of certificate:

k-labor GmbH
Unidekstraße 5, 75015 Bretten

Tests in the fields:

mechanical, thermic and chemical-physical testing of metals, plastics and elastomers; analytical methods for analysing of materials; metallographical analysis; environmental simulations, corrosion tests and determination of resistance to chemicals; testings of surfaces and coatings; testings in case of damage analysis

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.

1 Mechanical tests

DIN EN ISO 6506-1 2015-02	Metallic materials - Brinell hardness test - Part 1: Test method
DIN EN ISO 6507-1 2018-07	Metallic materials - Vickers hardness test - Part 1: Test method
DIN ISO 7619-1 2012-02	Rubber, vulcanised or thermoplastic - Determination of indentation hardness - Part 1: Durometer method (Shore hardness A and D; without Shore AO and AM)

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

Abbreviations used: see last page

Annex to the accreditation certificate D-PL-19941-02-00

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
DIN EN ISO 6892-1 2017-02	Metallic materials - Tensile testing - Part 1: Method of test at room temperature (here: <i>method B</i>)
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
DIN EN ISO 527-4 1997-07	Plastics - Determination of tensile properties - Part 4: Test conditions for isotropic and anisotropic fibre-reinforced plastic composites

2 Analytic methods

DIN EN ISO 11357-2 2014-07	Plastics - Differential scanning calorimetry (DSC) - Part 2: Determination of glass transition temperature and glass transition step height
DIN EN ISO 11357-3 2013-04	Plastics - Differential scanning calorimetry (DSC) - Part 3: Determination of temperature and enthalpy of melting and crystallization (<i>withdrawn standard</i>)
PV-001_FT-IR 2016-06	Spectral analysis using IR spectrometer for plastics (thermoplastics, thermosets, elastomers) and organic compounds analysis
PV-002_OES 2016-06	Optical emission spectroscopy (OES - spark spectrometer) to determine chemical compounds of the following alloys: Iron, aluminium and copper base, rare earths

3 Environmental simulations, corrosion tests and determination of resistance to chemicals

DIN EN ISO 9227 2017-07	Corrosion tests in artificial atmospheres - Salt spray tests (here: <i>chapter 3.2.2</i>)
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)
DIN 75200 1980-09	Determination of burning behaviour of interior materials in motor vehicles

-Translation-

4 Testings in case of damage analysis

DIN EN ISO 2409 Paints and varnishes - Cross-cut test
2013-06

ISO 2808 Paints and varnishes - Determination of film thickness
2007-02 (here: *method 6A cross-section / polish*)

abbreviations used:

DIN	German Institute for Standardization
EN	European Standard
ISO	International Organization for Standardization
PV-00X_YZ	In house method of the k-labor GmbH

-Translation-