Deutsche Akkreditierungsstelle GmbH

Signatory to the Multilateral Agreements of
EA, ILAC and IAF for Mutual Recognition

Accreditation

The Deutsche Akkreditierungsstelle GmbH attests that the testing laboratory

LANXESS (WUXI) High Performance Composite Materials Co., Ltd.
HPM Research and Development Testing Center (RDTC)
Zhu Jiang Road No. 9, Wuxi, Jiangsu, 214028
P.R. of China

is competent under the terms of ISO/IEC 17025:2017 to carry out tests in the following fields:

structural mechanical, physical and thermal testing of plastics and elastomers

The accreditation certificate is valid until 06.06.2023. It comprises the cover sheet, the reverse side of the cover sheet and the following annex with a total of 3 pages.

Registration number of the certificate: **D-PL-18686-01-00**

Frankfurt am Main, 14.04.2020

Dipl.-Ing. (FH) Ralf Egner
Head of Division

See notes overleaf.

Deutsche Akkreditierungsstelle GmbH

Office Berlin	Office Frankfurt am Main	Office Braunschweig
Spittelmarkt 10	Europa-Allee 52	Bundesallee 100
10117 Berlin	60327 Frankfurt am Main	38116 Braunschweig

The publication of extracts of the accreditation certificate is subject to the prior written approval by Deutsche Akkreditierungsstelle GmbH (DAkkS). Exempted is the unchanged form of separate disseminations of the cover sheet by the conformity assessment body mentioned overleaf.

No impression shall be made that the accreditation also extends to fields beyond the scope of accreditation attested by DAkkS.

DAkkS is a signatory to the Multilateral Agreements for Mutual Recognition of the European co-operation for Accreditation (EA), International Accreditation Forum (IAF) and International Laboratory Accreditation Cooperation (ILAC). The signatories to these agreements recognise each other's accreditations.

The up-to-date state of membership can be retrieved from the following websites:
EA: www.european-accreditation.org
ILAC: www.ilac.org
IAF: www.iaf.nu

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Annex to the Accreditation Certificate D-PL-18686-01-00 according to ISO/IEC 17025:2017

Period of validity: 14.04.2020 to 06.06.2023 Date of issue: 14.04.2020

Holder of certificate:

LANXESS (WUXI) High Performance Composite Materials Co., Ltd.
HPM Research and Development Testing Center (RDTC)
Zhu Jiang Road No. 9, Wuxi, Jiangsu, 214028
P.R. of China

Tests in the fields:

structural mechanical, physical and thermal testing of plastics and elastomers

Within the scope of accreditation marked with *, 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 laboratory maintains a current list of all standards/ testing procedures within the flexible scope of accreditation.

Abbreviations used: see last page

DAkkS
Deutsche
Akkreditierungsstelle

1   Standard methods *

ISO 75-1 2013-04	Plastics - Determination of temperature of deflection under load - Part 1: General test method
ISO 75-2 2013-04	Plastics - Determination of temperature of deflection under load - Part 2: Plastics and ebonite
ASTM D 648-18 2018	Standard Test Method for Deflection Temperature of Plastics under Flexural Load in the Edgewise Position
ISO 178 2019-04	Plastics - Determination of flexural properties
ASTM D 790-17 2017	Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials
ISO 179-1 2010-06	Plastics - Determination of Charpy impact properties - Part 1: Non-instrumented impact test
ISO 180 2019-11	Plastics - Determination of Izod impact strength
ASTM D 256-10 2010 (reapproved 2018)	Standard Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics
ISO 306 2013-11	Plastics - Thermoplastic materials - Determination of Vicat softening temperature (VST)
ISO 527-1 2019-07	Plastics - Determination of tensile properties - Part 1: General principles
ISO 527-2 2012-02	Plastics - Determination of tensile properties - Part 2: Test conditions for moulding and extrusion of plastics
ASTM D 638-14 2014	Standard Test Method for Tensile Properties of Plastics
ISO 1133-1 2011-12	Plastics - Determination of the melt mass-flow rate (MFR) and the melt volume-flow rate (MVR) of thermoplastics - Part 1: Standard method
ASTM D 1238-13 2013	Standard Test Method for Melt Flow Rates of Thermoplastics by Extrusion Plastometer

ISO 1183-1 2019-03	Plastics - Methods for determining the density of non-cellular plastics - Part 1: Immersion method, liquid pyknometer method and titration method
ISO 3451-1 2019-02	Plastics - Determination of ash - Part 1: General methods
ISO 3451-4 1998-12	Plastics - Determination of ash - Part 4: Polyamides
ISO 11443 2014-04	Plastics - Determination of the fluidity of plastics using capillary and slit-die rheometers
ISO 6721-1 2019-04	Plastics - Determination of dynamic mechanical properties - Part 1: General principles
ISO 6721-5 2019-04	Plastics - Determination of dynamic mechanical properties - Part 5: Flexural vibration - Non-resonance method
ISO 11359-1 2014-01	Plastics - Thermomechanical analysis (TMA) - Part 1: General principles
ISO 11359-2 1999-10	Plastics - Thermomechanical analysis (TMA) - Part 2: Determination of coefficient of linear thermal expansion and glass transition temperature

2   In-house methods

RDTC-IS-001 2019-08	**Conditioning of Polyamides Test Specimen according to ISO 1110**

Abbreviations used:

ASTM	American Society for Testing and Materials
ISO	International Organization for Standardization
RDTC-xx-xx	In-house method of HPM Research and Development Testing Center (RDTC)