Flex-List for Accredited Standards for Testing (Category A) (current as of 09.03.2026)

1. Mechanical-Technological Tests on Plastics

SOP No.	Standard / Edition	Title of the standard (if applicable, indicate deviations / modifications of standard procedures)	Test item
S0958	ISO 37 / 2024-05	Rubber, vulcanized or thermoplastic - Determination of tensile stress-strain properties	Type 1, Type 2 und Type 3 dumbbells.
S0959	DIN 53504 / March 2017	Testing of rubber- Determination of tensile strength at break, tensile stress at yield, elongation at break and stress values in a tensile test	S1, S2, S3A dumbbells.
S0983	DIN ISO 34-1 / December 2024	Rubber, vulcanized or thermoplastic - Determination of tear strength – Part 1: Trouser, angle and crescent test pieces	Strip and angle test specimens (with and without incision).
S0982	ISO 34-2 / 2022-06	Rubber, vulcanized or thermoplastic - Determination of tear strength - Part 2: Small (Delft) test pieces	Delft Test specimen.
S1011	DIN ISO 815-1 / April 2022	Rubber, vulcanized or thermoplastic - Determination of compression set – Part 1: At ambient or elevated temperatures	Test specimen Type B.
S0944	DIN ISO 2285 / November 2022	Rubber, vulcanized or thermoplastic - Determination of tension set under constant elongation, and of tension set, elongation and creep under constant tensile load	Test specimen 5.2.2.
S0988	DIN ISO 48-4 / February 2021	Rubber, vulcanized or thermoplastic - Determination of hardness – Part 4: Indentation hardness by durometer method (Shore hardness)	Elastomer test plates at least 6mm thick (also stacked multiples of 2mm).
S0917	DIN ISO 48-2 / February 2021	Rubber, vulcanized or thermoplastic - Determination of hardness – Part 2: Hardness between 10 IRHD and 100 IRHD	Elastomer test plates at least 6mm thick (also stacked multiples of 2mm).
S0995	DIN EN ISO 868 / October 2003	Plastics and ebonite - Determination of indentation hardness by means of a durometer (Shore hardness)	Plastic test plates at least 4mm thick (also stacked multiples of 2mm).
S1014	DIN 53236 / February 2018	Colouring materials - Conditions of measurement and evaluation for the determination of colour differences for paint coatings, similar coatings and plastics	Coloured plaques made of any material, any size.
S0951	DIN EN 20105-A02 / October 1994	Textiles - Tests for colour fastness - Part A02: Grey scale for assessing change in colour	2 coloured plaques made of any material, any size.
S0945	DIN EN ISO 1133-1 / October 2022	Plastics - Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics - Part 1: Standard method	Elastomer / plastic granules.

SOP No.	Standard / Edition	Title of the standard (if applicable, indicate deviations / modifications of standard procedures)	Test item
S0957	VDI 2019 / April 2016	Testing of adhesion of thermoplastic elastomers (TPE) to substrates	VDI 2019 Test specimens made of elastomer and plastic.
S1202	DIN ISO 813-2 / August 2025	Rubber, vulcanized or thermoplastic - Determination of adhesion to a rigid substrate - Part 2: Adhesion of a soft thermoplastic elastomer layer	DIN ISO 813-2 Test specimens made of elastomer and plastic.

2. Physical Testing of Plastics

SOP No.	Standard / Edition	Title of the standard (if applicable, indicate deviations / modifications of standard procedures)	Test item
S0914	DIN EN ISO 1183-1 / September 2025	Plastics - Methods for determining the density of non-cellular plastics - Part 1: Immersion method, liquid pycnometer method and titration method (here: only method A, immersion method)	Bubble-free test specimens with a mass of approx. 1g according to point 5.1.3 of this standard.
S0915	ISO 2781 / 2018-06	Rubber, vulcanized or thermoplastic – Determination of density (here: Only method A, immersion method)	Bubble-free test specimens with a mass of more than 2.5 g according to point 6 of this standard.
S0981	ISO 1407 / 2023-04	Rubber - Determination of solvent extract	Elastomer / plastic granules and all samples that can be shredded.
S0956	DIN 75201 / June 2024	Determination of the fogging characteristics of trim materials in the interior of automobiles (here: only method B, gravimetric determination)	Any samples.
S0992	DIN EN ISO 11357-1 / June 2023	Plastics - Differential scanning calorimetry (DSC) - Part 1: General principles	Elastomer / plastic specimens that can be shredded, preferably punched from 2mm test plate (d = 4-5mm) and halved with DSC pliers.
	DIN EN ISO 11357-2 / August 2020	Plastics - Differential scanning calorimetry (DSC) - Part 2: Determination of glass transition temperature and step height	Elastomer / plastic specimens that can be shredded, preferably punched from 2mm test plate (d = 4-5mm) and halved with DSC pliers.
	DIN EN ISO 11357-3 / September 2025	Plastics - Differential scanning calorimetry (DSC) - Part 3: Determination of temperature and enthalpy of melting and crystallization	Elastomer / plastic specimens that can be shredded, preferably punched from 2mm test plate (d = 4-5mm) and halved with DSC pliers.

SOP No.	Standard / Edition	Title of the standard (if applicable, indicate deviations / modifications of standard procedures)	Test item
S1016	ISO 9924-3 / 2024-02	Rubber and rubber products - Determination of the composition of vulcanizates and uncured compounds by thermogravimetry - Part 3: Hydrocarbon rubbers, halogenated rubbers and polysiloxane rubbers	Elastomer / plastic specimens that can be crushed, preferably punched from 2mm test plate (d = 4-5mm).
S1017	DIN EN ISO 11358-1 / Juli 2022	Plastics - Thermogravimetry (TG) of polymers - Part 1: General principles	Elastomer / plastic specimens that can be crushed, preferably punched from 2mm test plate (d = 4-5mm).

3. Environmental Tests of Plastics

SOP No.	Standard / Edition	Title of the standard (if applicable, indicate deviations / modifications of standard procedures)	Test item
S1028	ISO 188 / 2023-03	Rubber, vulcanized or thermoplastic - Accelerated ageing and heat resistance tests	Test specimens that can be performed for the test before and after heat exposure according to this list.
S1038	DIN EN ISO 105-B06 / December 2020	Textiles - Tests for colour fastness - Part B06: Colour fastness and ageing to artificial light at high temperatures: Xenon arc fading lamp test	Elastomer / plastic test plates usually 125 x 40mm x 2mm (L x W x T).
S1029	DIN EN ISO 4892-2 / November 2021	Plastics - Methods of exposure to laboratory light sources - Part 2: Xenon-arc lamps	Elastomer / plastic test plates usually 125 x 40mm x 2mm (L x W x T).
S1195	SAE J 2412 / 2024-02	Accelerated Exposure of Automotive Interior Trim Components Using a Controlled Irradiance Xenon-Arc Apparatus	Elastomer / plastic test plates usually 125 x 40mm x 2mm (L x W x T).
	SAE J 2527 / 2017-09	Performance Based Standard for Accelerated Exposure of Automotive Exterior Materials Using a Controlled Irradiance Xenon-Arc Apparatus	Elastomer / plastic test plates usually 125 x 40mm x 2mm (L x W x T).

The following test procedures are outside the flexible scope of accreditation:

S1026	PV 3929 / 2023-01	Non-metallic materials - weathering in dry-hot climate (exterior)	Elastomer / plastic test plates usually 125 x 40mm x 2mm (L x W x T).
	PV 3930 / 2023-01	Non-metallic materials - weathering in warm and humid climates (exterior)	Elastomer / plastic test plates usually 125 x 40mm x 2mm (L x W x T).

4. Fire Tests of Plastics

SOP No.	Standard / Edition	Title of the standard (if applicable, indicate deviations / modifications of standard procedures)	Test item
S0978	DIN 75200 / September 1980	Determination of burning behaviour of interior materials in motor vehicles	Test specimen 100 x 140 mm and a thickness of approx. 2 mm
S0977	49 CFR PART 571.302 / October 2024	§571.302 Standard No. 302; Flammability of interior materials	Test specimen 100 x 140 mm and a thickness of approx. 2 mm