SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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MECHANICAL

Valid To: March 31, 2023 Certificate Number: 1745.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on automotive components, coatings, plastics, polymers, and textiles:

Test	Test Method(s)
Abrasion (Linear, Taber)	DIN EN ISO 5470; FLTM BN 108-02; GMW 14125 (A2X2, BX2), GMW 3208; SAE J1530 (*except Section 5*)
Adhesion / Bond Strength	ASTM D413; DIN 53530, DIN 53357-A; FLTM BN 151-05; GMW 14695, GMW16596 (3.6.1)[1]; LP-463LB-10-01
Bending (Flex)	ISO 178
Bulk Density	ASTM D792 (Method A); DIN EN ISO 1183-1 (Method A)
Cold Cracking	DBL 5306 (7.2, 7.3)[1] , DBL 5972 (6.10); FLTM BN 102-01; GMW 14108, GMW16596[1](3.4.8); LP-463DD-07-01 (Mandrel), LP463LB-11-01A; SAE J323 (Mandrel Method A); WSS-M5G52-B (3.6.5)[1]
Color Fastness	AATCC Evaluation Procedure 1; DIN EN ISO 105-A02
Color Transfer	AATCC Evaluation Procedure 2, AATCC TM 8; SAE J861; FLTM BN 107-01

Test	**Test Method(s)**
Compressibility/Pressure	ASTM D3574 (Test D); DIN EN ISO 1856; ISO 3386-1, ISO 388; SAE J1352
Dust-out	GMW16998
Environmental Conditioning	DBL 5471(PV 08), DBL 5463 (Table 3, No.3, 4), DBL 5972 (6.8.1, 6.8.3); GMW14124 (Cycle M), GMW3221 (Code A), GMW3026[1]; LP-463DD-08-02; PV1200, PV2005-A (4.1.2.1), PV3904 SAE J1389; TL 52411 (9)[1]; WSS-M99P32-C[1](3.8.1), WSS-M15P6-D[1], WSS-M8P16-B[1], WSS-M99P32-E2, E3, E4, E5 (3.3.151)
Fiber Degradation	SH-0113
Flammability	DBL 5307 (5.1)[1]; DIN 75200ISO 3795; FMVSS 302; GB 8410; GMW 3232; MS-JP9-4[1]; SAE J369
Fogging	DIN 75201 (Method B); GMW 3235 (Method A and B); LP-463DB-12-01; SAE J1756
Hardness (Shore A & D)	ASTM D2240 (Type A); ISO 868
Heat Aging	DBL 5471 (PV08, 6.4)[1],DBL 5972 (6.8.1)[1]; GMW14194[1](3.11.4), GMW14196[1](3.8.2), GMW16381[1](3.5); ISO 3451-1; LP-463LB-13-01; MS-HZ-100 (Hot Plate)[1] (3.5); PR 292 (2.1.10); WSS-M99P32-C[1](3.8.2),WSS-M15P32-D[1] (3.10.2), WSS-M99D63-A3[1](3.7.3), WSS-M15P44-B[1](3.10.8), WSS-M15P37-B[1](3.5), WSS-M5G52-B[1](3.6.6), WSS-M99P32-E2, E3, E4, E5 (3.3.15.2)

Test	Test Method(s)
Measuring Mass / Weight	ASTM D3776; DIN EN 12127, DIN EN ISO 2286-2, DIN EN ISO 29073-1; FLTM BN 106-01; GMW 3182; ISO 9073-1; SAE J860; TL 52411 (6)[1]
Mildew	GMW 3259; PR 292, PR 397; WSS-M99P32-C[1](3.7), WSS-M15P32-D[1] (3.7.3), WSS-M15P6-D[1](3.14), WSS-M8P16-B[1](3.8.4), WSS-M15P44-B[1](3.7), WSS-M99P32-D6(3.6.1)[3], WSS-M99P32-E2, E3, E4, E5 (3.3.4)
Moisture Absorption	GMW 16381[1](3.8); WSS-M99P32-C (3.11), WSS-M99P32-E2, E3, E4, E5 (3.3.5)
Odor	FLTM BO 131-03, FLTM BO 131-01; GMW 3205; PV 3900; SAE J1351; VDA 270
Pile Height / Thickness Rigidity	ISO 5084, ISO 9073-2
Poke Test	SH-0112
PULLS (Grommets, Bolts & PLDs)	FLTM BA 116-01; SH-0117
Salt Solution	MS-JB2000[1] (Table 1), MS-JP1-3[1] (Table 1)
Shrinkage	ASTM D1204; DIN 53892-2; FLTM BN 105-01, FLTM BN 105-03; GMW 4217; SAE J883; TL 52306 (7.4, 7.5)[1]
Staining	FLTM BN 103-01; FLTM BI 168-01 Method B; GMW 14102; LP-463KC-03-01; WSS-M99D63-A3 (3.7.6)
Tear Strength (Tongue and Trapezoid)	ASTM D2261, ASTM D5587, ASTM D624 (Die C), ASTM D3574 (Test F); DIN EN ISO 13937-2; GMW 3326; ISO 9073-4

Test	Test Method(s)
Tensile Strength	ASTM D5034, ASTM D3574 (Test E), ASTM D412 (Die A); DIN 53504; GMW 3010 (Code A), GMW 3010 (Code C); ISO 13934-1, ISO 1798, ISO 527-1, - 4, ISO 37 (Type 1)
Tuft Lock	ASTM D1335; Chrysler LP-463KB-22-01
Water / Chemical Immersion	ASTM D896; GMW 14194[1] (3.11.2), GMW15725 (4.7.1, Table 3); FLTM BO 101-05; MS-HZ100[1] (4.5, 4.7); WSS-M99P32-F2 (3.3.17), WSS-M99P32-E2 to E5 (3.3.18)
Water Penetration	ISO 9073-17; SAE J913

When applicable, tests can be performed under the following conditions:

Temperature
High: (21 to 640) °C
Low: (-40 to 0) °C

Environmental
Temperature: (21 to 150) °C
Humidity: (40 to 95) %RH

Fogger
Temperature / heating: (65 to 120) °C
Temperature / cooling: (10 to 30) °C

[1] This material specification is not an accredited test and the inclusion of this material specification on this Scope does not confer laboratory accreditation to the material specification nor does it confer accreditation for the method(s) embedded within the specification. The accredited test methods listed on this scope are used in determining compliance with this material specification.

[2] Utilizing non-condensing humidity environmental chamber.

[3] This laboratory's scope contains withdrawn or superseded methods. As a clarifier, this indicates that the applicable method itself has been withdrawn or is now considered "historical" and not that the laboratory's accreditation for the method has been withdrawn.

Accredited Laboratory

A2LA has accredited

AUTONEUM NORTH AMERICA, INC.

Novi, MI

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 15th day of March 2021.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1745.02
Valid to March 31, 2023

For the types of tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.