



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

AUTONEUM NORTH AMERICA, INC. BLOOMSBURG LABORATORY
480 West 5th Street
Bloomsburg, PA 17815
Justine Danilowicz Phone: 570 316 6078

MECHANICAL

Valid To: April 30, 2023

Certificate Number: 1745.01

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

Test

Test Method(s)

Abrasion (Taber, Schopper and Wyzenbeek)

ASTM D3884;
DBL 5853;
DIN 53109;
FLTM BN 108-01;
GS 93026-1 (5.3);
GMW 3208, GMW 3283, GMW 14125;
ISO 5470-1;
PAPP PWT 7301;
PF-90117 (6.5, 6.5.1, 6.5.2);
PPS 4008, PPS 4014;
PR 360;
PV 3908;
SAE J1530;
TL 52306 (7.7, 7.8)

Accelerated Exposure Interior

DIN EN ISO 105-B06;
FLTM BN 117-03;
FLTM BO 116-01;
GMW 14162 (Cycle B);
PPS 2014 (Methods C and D), PPS 2019;
PV 1303 (5.3.6);
SAE J2412;
TL 52306 (7.6.1)

Adhesion / Bond Strength

ASTM D413 (Mach. Method);
Chrysler LP-463LB 10-01;
DIN 53357¹, DIN 54310;

<u>Test</u>	<u>Test Method(s)</u>
Adhesion / Bond Strength (cont'd)	FLTM BN 113-01 (Original and Immersed), FLTM BN 151-05 (Original, Cold, Humidity, Cycling, and Autoclave); VCS 1024.28519, VCS 1029.54729; GMW 14892, GMW 16596 (3.4.1.3); PF-90117 (5.8.4); PPS 3029, PPS 5018; SH0106; TL 52306 (7.16); WSS-M99P32-C (3.9.5) ¹ ; GS 93026 (Separating Force)
Aesthetic Test, Pile Crushing Test	PF-90117 (5.8.1), PF-90117 (B-11.4), PF-90117 (6.1.2)
Bending (Flex)	DBL 5306 (1.1); PPS 5004, PPS 5011; VDA 230-209
Bulk Density	GMW 16803 (3.2.13); ISO 845
Cleanability	Chrysler LP-463KC-04-01 (Procedures 1 and 2), Chrysler LP-463KC-04-02 (Procedures 1 and 2); FLTM BN 112-08; GMW 3402; GS 97034-5 (B); TL 52306 (7.11);
Cold Cracking	Chrysler LP-463LB-11-01(B and C); DBL 5306 (7.2); FLTM BN 102-01; GMW 14108, GMW 16596 (3.4.1.2); PF-90117 (5.8.3), PF-90117(6.2.11); PPS 5011; SAE J323 (Method A); TL 52306 (7.12 and 7.13); WSS-M15P32-C (3.7.1) ¹ , WSS-M15P32-D (3.7.3)
Cold Temp Curl	SH-0033
Color Fastness	AATCC EP 1; ISO 105-A02, ISO 105-A03; SAE J2212 ¹ ; PPS 4015; TL 52306 (7.6.2); VCS 1027.359, VCS 1026.51729; Volvo STD 1026.82019, 1026.8201

<u>Test</u>	<u>Test Method(s)</u>
Color Transfer	AATCC EP2, AATCC 8, AATCC 107, AATCC 165; Chrysler LP-463KC-01-01; FLTM AN 101-01; FLTM BN 107-01, FLTM BN 107-02, FLTM BN 108-10; GMW 14141, GMW 14129 (3.3.3); ISO 105-A01, ISO 105-B06, ISO 105-X12; SAE J861; TL 52306 (7.6.2.1 and 7.6.2.3); LP.7M028; GS 97034-6
Compressibility/Pressure	ASTM D3574 (Test C & D); DIN EN ISO 3386; ISO 1856 (A); LP-11925; NOTE TREG 31846481 (4.4.7); SAE J1352 (Methods B, C, and D); TL 52306 (7.10); VCS 1024.1111
Dimensional Stability	DIN 53377, DIN 53892-2; FLTM BN 105-03; GMW 4217; PR 357; TL 52306 (7.4.1, 7.4.2, 7.4.3)
Drag Test	PF-90117 (B-11.10); PPS 6006; SH-0089
Droop Test	WSS-M15P6-D (3.8) ¹ , WSS-M15P6-E (3.8.4)
Environmental Conditioning	Chrysler LP-463CB-10-01, Chrysler LP-463LB-12-01; DBL 5471; FLTM BO 040-01; GMW 3026 (3.3.11.2, 3.4.8.2, 3.5.12.2), GMW 3221, GMW 3232 (4.1.2), GMW 14124 (Cycle M), GMW 15757 (3.3.8.2, 3.4.10.2), GMW 16596 (3.2.8.2, 3.4.1.4.2), GMW 16597 (3.2.15.1, 3.3.8.1), GMW 16803 (3.2.11.2, 3.3.5.2, 3.4.2.4.2); MBN 55555-4; NOTE TREG 31846481 (4.3.3, 4.3.4); PR 303.5a; PV 1200; WSS-M8P16B (3.8.6, 3.8.7, 3.10.1, 3.11.1), WSS-M15P32-C (3.6.1), WSS-M15P32-D (3.7.2, 3.10.1), WSS-M99P32-D (3.8.2, 3.9.1.2)

<u>Test</u>	<u>Test Method(s)</u>
Fiber Degradation	FLTM BN 117-03, FLTM BN 058-01; GMW 3387; SH-0013; WSS-M8P16-B (3.11.2), WSS-M15P6-D (3.18.4.1) ¹
Flammability	DBL 5307 (5.1); DIN 75200; FMVSS 302; GB 8410; GMW 3232; GS 97038; ISO 3795; SAE J369; PPS 5010; TL 1010; VCS 5031.19
Floor Mat Warpage	PF 8145 (5.4) ¹ , PF-90117 (B-11.3)
Fogging	Chrysler LP-463DB-12-01; GMW 3235; SAE J1756 (Photometric only); PPS 2023
Instrumented Color	SAE J1767
Hardness (Shore A and D)	ASTM D2240; ISO 868; PPS 5007
Heat Aging	Chrysler LP-463LB-13-01; DBL 5306 (7.2); WSS-M8P16-A (3.11) ¹ , WSS-M8P16-B (3.8.3, 3.8.7, 3.10.2), WSS-M15P32-C (3.6.2, 3.8.3) ¹ , WSS-M15P32-D (3.8.3, 3.7.2, 3.10.2), WSS-M15P37-B (3.5) ¹ , WSS-M15P44-B (3.8.8, 3.10.5), WSS-M99D63-A3 (3.7.3) ¹ , WSS-M99P32-C (3.8.2, 3.9.1.3) ¹ , WSS-M99P32-D (3.8.3, 3.9.1.3) ¹ ; HZ-100 (3.3, 4.2, 4.4, 6.1); NOTE TREG 31846481 (4.3.1, 4.3.2, 4.3.7); Volvo STD 1026.1122
Laundering	AATCC 138
Measuring Mass / Weight	ASTM D3776; DIN EN 12127; FLTM BN 106-01; GMW 3182; ISO 845; SAE J860; TL 52306 (6.7)

<u>Test</u>	<u>Test Method(s)</u>
Mildew	GMW 3259; NOTE TREG 31836481 (4.2.10); WSS-M8P16-B (3.8.4), WSS-M15P6-D (3.14), WSS-M15P6-E (3.6.1), WSS-M15P32-C (3.10), WSS-M15P32-D (3.7.3), WSS-M15P44-B (3.5), WSS-M99P32-C (3.7) ¹ , WSS-M99P32-D (3.8.1) ¹ , WSS-M99P32-E1 (3.7.1)
Moisture Absorption	WSS-M99P32-C (3.11), WSS-M99P32-D (3.9.6), WSS-M99P32-E1 (3.8.6)
Odor	FLTM BO 131-01 ¹ , FLTM BO 131-03; GMW 3205; SAE J1351; PF-90117 (B-6.3); PPS 1012; LP463-KC-09-01; PR 397; VDA 270; VCS 1027.2729; WSS-M8P16-A (3.24); CS-13398
Pile Height / Thickness Rigidity	ASTM D1000 (21-27), ASTM D3767; DIN EN ISO 3415, DIN EN ISO 9073-2; ISO 1765, ISO 1766, ISO 5084; TL 52306 (6.5, 6.7.1); GS 93026 (Denting)
Poke Test	SH-0112; PR 381.4 (2.3.2.1)
Pulls (Grommets, Bolts, and PLDs)	LP-12868, LP.7M056; NOTE TREG 31846481 (4.4.4); PF-8145 (4.6) ¹ , PF-90117 (5.8.9, 5.8.10); PPS 3063; PR 380.4 (2.4.1, 2.4.2, 2.4.3); SH-0086, SH-0017 (Tests 1, 2, 3, 6, 7, 10, 11, 12)
Resistance to Blocking	SAE J912
Salt Solution	JB 2000; JP-1-3; PF-90117 (B-11.6)
Scuffing / Marring	FLTM BN 108-10; GMW 14130
Shrinkage	ASTM D2646; DIN 53892-2; DIN EN ISO 2440; FLTM BN 105-01; PR 357; SAE J883; TL 52306 (7.4)

<u>Test</u>	<u>Test Method(s)</u>
Staining	Chrysler LP-463KC-03-01; FLTM BN 103-01; GMW 14102; VCC 850 428 02; WSS-M99D63-A3 (3.7.6) ¹
Tear (Tongue and Trapezoid)	ASTM D624 (Die C), ASTM D2261, ASTM D3574 (Test F), ASTM D5587; DIN 53356 ¹ ; ISO 34-1 (Method B), ISO 13937-2, ISO 6383-1; NOTE TREG 31846481 (4.4.1); PPS 5003; TL 52306 (7.1, 7.2, 7.3); Volvo STD 1024.37219
Tensile	ASTM D412 (Die A and C), ASTM D2256 (Option A), ASTM D5034 (Grab Method); GMW 3010; ISO 37, ISO 1798, ISO 9073-3, ISO 13934-1, ISO 13934-2; MSJZ-3-2 (Table 2); PPS 5001; WSS-M99D63-A3 (3.6.2, 3.6.3)
Tuft Lock	ASTM D1335; Chrysler LP-463KB-22-01; GMW 14148; PPS 5006
Twist Balance	ASTM D204 (28-33); GMW 14129 (3.2.4); MSJZ-3-2 (Table 2)
Water/Chemical Immersion	WSS-M99P32-C (3.9.1.4), WSS-M99P32-D (3.9.1.4), WSS-M99P32-D (3.8.4)
Water Influence	TL 52306 (7.5)
Water Penetration	SAE J913

When applicable, all tests can be performed under any or all of the following conditions:

Temperature

High: (21 to 130) °C

Low: (-40 to 0) °C

Environmental

Temperature: (-40 to 130) °C

Humidity: (40 to 95) %RH

Fogger

Temperature/ heating: (85 to 110) °C

Temperature/ cooling: (21 to 38) °C

¹ 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.

The laboratory is accredited for the test methods listed above. The accredited test methods listed above are used in determining compliance with the material specifications listed below; however, the inclusion of these material specifications on this Scope does not confer laboratory accreditation to the material specification. Inclusion of these material specifications on this Scope also does not confer accreditation for every method embedded within the specification. Only the methods listed above on this Scope are accredited.

GS93026-1



Accredited Laboratory

A2LA has accredited

AUTONEUM NORTH AMERICA, INC. BLOOMSBURG LABORATORY

Bloomsburg, PA

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.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1745.01
Valid to April 30, 2023

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