SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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MECHANICAL

Valid To: June 30, 2016 Certificate Number: 2692.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on polyurethane foam (flexible and semi-rigid), foam / fiberglass laminated boards and foam / fabric laminated rolls:

Test Description	Test Method(s)
Adhesion	ASTM D413 (B), D751 (50-53), D903 Chrysler LP-463LB-10-01 Fiat 50441/05 FLTM BN 151-05 GMW 3220 HES D6506-00 (5.24) MS 300-31 (4.10), 300-32 (4.23.1) NES 87000 NDS00 TSL 2100G (4.39), 2105G (4.11), 5100G (4.5)
Air Permeability	ASTM D737, D3574 (G) HES D6506-00 (5.17) TSL 2100G (4.6), 2107G (4.1)
Ball Rebound	ASTM D3574 (H) ESX-83218 (4.15) JIS K6400 (Section 9) TSM 7100G (4.7)
Bow and Skew	ASTM D3882 Chrysler LP-463KB-14-01 GMW 3023[2] (Inactive)
Breaking Strength	ASTM D751 (11)
Cleaner Resistance	GMW 3402
Circular Modulus	TSL 2100G (4.11), 2104G (4.8)
Cold Resistance	MS-AY 310 (3.3)
Color Fastness to Elevated Temperatures	GM 2737M[1,2] (6.2) (Inactive), 9131P

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Test Description	Test Method(s)
Color Fastness to Light (Xenon)	GMW 3414 SAE J1545, J1767, J2412 TSL 2100G (4.28) Method B, 2106G (4.8) Method B
Color Fastness to Rubbing (Crocking)	AATCC 8 FLTM BN 107-01 (Procedure A) SAE J861
Compression Force Deflection	ASTM D1621, D3574 (C) ESX-83218 (4.4/4.7) Renault D41 1003 ISO 3386-1
Compression Set (Normal)	ASTM D3574 (D) ESB-M17H93[2]- C2, C3, C4 (3.3.4, 3.4.9) (Inactive) ESX-83218 (4.9) FLTM BN 115-07 FNMN-LOS-ST-10-6-01E (4.7.6) ISO 1856 (A) JIS K6400 (7) NES M0086 (8) Renault D45 1046 TSM 7100G (4.8)
Conditioning	ASTM D3574 (6) GMW 3221
Crease	GM 9201P[2] (Inactive) WSS M8P3 (3.28.1), M8P18 (3.13.2)
Curling	GM 2737M[1, 2] (5.9) (Inactive), 9330P GMW 4089, 4217 (5.3.7) WSS M8P3 (3.27), M8P18 (3.19)
Density	ASTM D3574 (A) ESX 62101 (4.3), 83218 (4.1) HES D6506-00 (5.1) ISO 845 JIS K6400 (5) NES M0086 (4) TSM 7100G (4.1)
Dimensional Stability	ASTM D2126 GMW 4217 SAE J315 (15), J883 TSL 2100G (4.5), 2104G (4.5)
Environmental Aging	ASTM D3574 (J, K, L) Chrysler LP 463KC-15-01, 463LB-12-01 (*Except Method B*), 463LB-13-01 FLTM BO 12-01 GM 9131P, 9200P GMW 14124 (Cycles M, Q, R, S, T) ISO 2440 SAE J323 (Method A)

Test Description	Test Method(s)
Fatigue (Static Force Loss)	ASTM D3574 (I1)
Fiber Degradation	GMW 3387
Flammability	CAL 117, Section A, Part I, (Vertical Burn) CAL 117, Section D, Part II, (Smoldering)
Flammability, Horizontal Burn	ASTM D5132 DIN 75200 ESX-60410 FLTM BN 024-02 FNMN-LOS-ST-10-6-01E (4.7.7) FMVSS 302 GM 9070P[2] (Inactive) GMW 3232 HES D6003-93 ISO 3795 MES CF 050E MS 300-08 NES M0094 SAE J369 TSM 0500G TS 420-00-002
Flexibility	Chrysler LP-463LB-09-01 ESB M4D113-C (3.4.2) FLTM BN 102-01 (Procedure A) WSB M17H93-C8 (3.6.6)
Fogging	Chrysler LP-463DB-12-01 GM 9305P[2] (Inactive) GMW 3235 (Photometric) FNMN-LOS-ST-10-06-01E (4.7.9) SAE J1756 (Photometric) TSM 0503G
Heat Discoloration Resistance	NES 8700 NDS00 (13-10)
Hydrolytic Stability	GM 9231P
Indentation Force Deflection	ASTM D3574 (B) ESX-83218 (4.8) JIS K6400 (6) NES M0086 (5) SAE J815 TSM 7100G (4.2)
Inverted Bending Test	TSL 2100G (4.44), 2104G (4.14) TS343-08-009-002 (6.25)
Lint Retention	GMW 3347
Load Height Change	ESB M4D113-C (3.4.1)

Test Description	Test Method(s)
Mass Per Area	ASTM D3776 (*Except A*) FLTM BN 106-01 GM 2726M[1, 2] (3.3) (Inactive), 2737M[1, 2] (5.1) (Inactive) GMW 3182 MS 300-31 (4.1), 300-32 (4.2.1) SAE J860 TSL 2100G (4.1), 2104G (4.1)
Mildew Resistance	GM 9128P (*Inactive*) GMW 3259
Moisture Uptake	MS 300-32 (4.3) WSS M2D491-A1 (3.5.14)
Odor	ESX-62101 (4.9) FLTM BO 131-03 GMW 3205 SAE J1351
Pile Distortion	GMW 4141
Ravel Resistance	GMW 3217
Resistance to Blocking	GM 2737M[1, 2] (5.14) (Inactive)
Seam Fatigue	GMW 3405 TSL 2100G (4.17), 2105G (4.5)
Seam Strength	Chrysler LP-463KB-13-01 (Methods A & B) FLTM BN 119-01 MS 300-31 (4.27), 300-32 (4.9.1) TSL 2100G (4.16), 2105G (4.4), 2106G (4.4)
Shrinkage	FLTM BN 105-01
Solvent Resistance (Cleanability)	ESB M4D113-C (3.10) Chrysler LP-463KC-04-01 MS-AY 310 (Table 2)
Staining	FLTM BN 103-01 GM 9141P
Stiffness / Softness	TSL 2100G (4.45), 2104G (4.15) TS343-08-009-002 (6.26)
Stress Relaxation	TSM 7100G (4.4)
Stretch and Set	GMW 3211 HES D6506-00 (5.5) SAE J855 TSL 2100G (4.9), 2104G (4.6), 2105G (4.2)
Taber Abrasion	GMW 3208 MS 300-31 (4.19), 300-32 (4.11) SAE J948 (3) TSL 2100G (4.18), 5100G (4.12)

Test Description	Test Method(s)
Tear Resistance	ASTM D624 (Die C), D2261, D3574 (F), D5587, D751 (28-35) GMW 3326 ISO 8067, 13937-2 JIS K6400 (11) MS 300-31 (4.9), 300-32 (4.7.1, 4.7.2) NES M0086 (12) TSL 2100G (4.12), 2105G (4.3), 2106G (4.2, 4.3) TSM 7100G (4.6)
Tensile Strength / Elongation	ASTM D3574 (E), D5034, D751 (11-17) ESX-62101 (4.4) GMW 3010 ISO 1798 JIS K6400 (10) MS 300-31 (4.6, 4.7), 300-32 (4.4.1, 4.5) NES M0086 (6) TSL 2100G (4.7), 2105G (4.1), 2106G (4.1) TSM 7100G (4.5)
Thickness	ASTM D1777, D3574 (8) ESX 83217 (4.3), 83220 (4.2.2) ISO 5084 TSL 2100G (4.47), 2104G (4.16), 5702G (6.4)
Water Absorption	SAE J315 (12)
Water Spotting	GM 9133P GMW 14102

[1] *The laboratory is accredited for the test methods listed above. The accredited test methods are used in determining compliance with any material specifications included on this Scope; however, the inclusion of these material specifications on this Scope does not confer laboratory accreditation to the material specifications. 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.*

[2]*This laboratory's scope contains withdrawn, inactive 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.*