



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ACCULAB INC.
9900 Railroad Drive
El Paso, TX 79924
Vladimir Juarez Phone: 915 751 1000

MECHANICAL

Valid To: June 30, 2012

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:

<u>Test Description</u>	<u>Test Method(s)</u>
Adhesion	ASTM: D413 (A, B), D751 (50-53), D903 Chrysler LP-463LB-10-01 FLTM BN 151-05 GM3602M (3.5), GMW3220 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 (9.1.4) TSM 7100G (4.7)
Bow and Skew	ASTM D3882 Chrysler LP-463KB-14-01 GMW3023
Breaking Strength	ASTM D751 (11)
Cleaner Resistance	GMW3402
Circular Modulus	TSL: 2100G (4.11), 2104G (4.8)
Cold Cracking	ASTM D1912 Chrysler LP-463KB-28-01 (Method A) GM9140P

<u>Test Description</u>	<u>Test Method(s)</u>
Cold Resistance	MS-AY 310 (3.3)
Color Fastness to Elevated Temperatures	GM2737M (6.2), GM9131P
Color Fastness to Light (Xenon)	AATCC 173 GMW3414 SAE: J1545, J1767, J2412 TSL: 2100G (4.28), 2106G (4.8)
Color Fastness to Rubbing (Crocking)	AATCC 8 FLTM BN 107-01 (Procedure A) SAE J861
Compression Force Deflection	ASTM: D1621, D3574 (C) BS 4443 (Part 2) DIN: 53421, 53577 ESX-83218 (4.4/4.7) GMI 60283 (Part 8) Renault D41 1003 ISO 3386-1
Compression Set (Normal)	ASTM D3574 (D, J1, J2) DIN 53572 ESB-M17H93-C2, C3, C4 (3.3.4, 3.4.9) ESX-83218 (4.9) FLTM BN 115-07 FNMN-LOS-ST-10-6-01E (4.7.6) GMI 60283 (Part 4) ISO 1856 (A) JIS K6400 (7) NES M0086 (8) Renault D45 1046 TSM 7100G (4.8)
Conditioning	ASTM D3574 (Section 6) GMW3221
Crease	GM9201P TSL: 2100G (4.21), 2104G (4.9) WSS: M8P3 (3.25.1), M8P18 (3.13.2)
Curling	GM: 2737M (5.9), 9330P GMW: 4089, 4217 (5.3.7) WSS: M8P3 (3.24), M8P18 (3.19)
Density	ASTM D3574 (A) DIN 53420B ESX: 62101 (4.3), 83218 (4.1) FNMN-LOS-ST-10-6-01E (4.7.1) GMI 60283 (Part 1) HES D6506-00 (5.1) ISO 845 JIS K6400 (5) NES M0086 (4) TSM 7100G (4.1)

<u>Test Description</u>	<u>Test Method(s)</u>
Dimensional Stability	ASTM D2126 GMW4217 SAE: J315 (15), J883 TSL: 2100G (4.5), 2104G (4.5)
Environmental Aging	ASTM: D1735, D3574 (J1, J2, K) Chrysler LP: 463KC-15-01, 463LB-12-01, 463LB-13-01 FLTM BO 12-01 GM: 9131P, 9200P, 9505P (Cycle M) GMI 60283 (Parts 5-6) GMW14124 ISO 2440 SAE J323
Fatigue (Flex Fatigue)	ASTM D3574 (I1)
Fiber Degradation	GMW3387
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: 6090M, 9070P GMW3232 HES: C206-99 (A), D6003-93 ISO 3795 MES CF 050E MS 300-08 MS JP 9-4 NES M0094 SAE J369 TSM 0500G TS 420-00-002
Flexibility	Chrysler LP-463LB-09-01 ESB: M2D243-A (3.3.8.2), M4D113-C (3.4.2) FLTM BN 102-01 (Procedure A) WSB M17H93-C8 (3.6.6)
Fogging	Chrysler LP-463DB-12-01 GM9305P GMW3235 FNMN-LOS-ST-10-06-01E (4.7.9) SAE J1756 (Photometric) TSM 0503G
Heat Discoloration Resistance	NES 8700 NDS00 (12-1-1 (3)) WSS M8P18 (3.9.3)
Hydrolytic Stability	GM9231P

<u>Test Description</u>	<u>Test Method(s)</u>
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	GMW3347
Load Height Change	ESB: M2D243-A (3.3.8.1), M4D113-C (3.4.1)
Mass Per Area	ASTM D3776 FLTM BN 106-01 GM2726M (3.3) GM2737M (5.1) GMW 3182 MS: 300-31 (4.1), 300-32 (4.2.1) SAE J860 TSL: 2100G (4.1), 2104G (4.1)
Mildew Resistance	GM9128P GMW3259
Moisture Uptake	MS 300-32 (4.3) WSS M2D491-A1 (3.5.14)
Odor	ESB-M4D113-C (3.7) ESX-62101 (4.9) FLTM: BO 131-01, BO 131-03 GMW3205 SAE J1351
Pile Distortion	GMW4141
Ravel Resistance	GMW3217
Resistance to Blocking	GM2737 (5.14)
Seam Fatigue	GMW3405 TSL: 2100G (4.17), 2105G (4.5)
Seam Strength	Chrysler LP-463KB-13-01 FLTM BN 119-01 GM9129P 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: M2D243-A (3.3.13), M4D113-C (3.10) Chrysler LP-463KC-04-01 GM6291M (3.1.2) MS-AY: 309 (Table 2), 310 (Table 2)

<u>Test Description</u>	<u>Test Method(s)</u>
Staining	FLTM BN 103-01 GM9141P SAE J2412
Stiffness / Softness	TSL: 2100G (4.45), 2104G (4.15); TS343-08-009-002 (6.26)
Stress Relaxation	TSM 7100G (4.4)
Stretch and Set	GMW3211 HES D6506-00 (5.5) SAE J855 TSL: 2100G (4.9), 2104G (4.6), 2105G (4.2)
Taber Abrasion	GMW3208 MS: 300-31 (4.19), 300-32 (4.11) SAE J948 (3) TSL: 2100G (4.18), 5100G (4.12)
Tear Resistance	ASTM: D624 (Die C), D1117, D2261, D3574 (F), D5587, D5733 GMW3326 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 DIN 53571 A2 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, D1813, D3574 (8) ESX: 83217 (4.3), 83220 (4.2.2) ISO 5084 SAE J882 TSL: 2100G (4.47), 2104G (4.16), 5702G (6.4)
Water Absorption	SAE J315 (12)
Water Spotting	GM9133P GMW14102

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.

