



## *Accredited Laboratory*

A2LA has accredited

**BRADFORD INDUSTRIES, INC.**

*Lowell, MA*

for technical competence in the field of

**Mechanical Testing**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *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 8 January 2009).



Presented this 29<sup>th</sup> day of April 2016.

A handwritten signature in blue ink, appearing to read "Jim C. Bunt".

Senior Director of Quality and Communications  
For the Accreditation Council  
Certificate Number 0708.01  
Valid to February 28, 2018

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



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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MECHANICAL

Valid To: February 28, 2018

Certificate Number: 0708.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following textile tests related to the automotive, government and commercial industries:

<u>Test</u>	<u>Test Method(s)</u>
Accelerated Aging	ASTM D751 (72-79), D5427; Federal Std. 191A.5872; GM T-469A, T-469U; GM9131P (Inactive) <sup>1</sup> , GM9200P (Inactive) <sup>1</sup>
Abrasion Resistance (Martindale Method)	ISO 12947-2
Adhesion	ASTM D751 (45-48); Fuji TS343-8-1 (Section 5.4); GM 9071P (Inactive) <sup>1</sup> , 9160P (Inactive) <sup>1</sup> , 9335P (Inactive) <sup>1</sup>
Blocking	ASTM D751 (84-88); FTMS 191A-5872; Fuji TS343-8-1 (Section 5.6); GM T-469H; ISO 5978; SAE J912
Bow and Skew	ASTM D3882; Federal Std. 191A.5060; GM T-469W
Brittleness Impact/ Low Temperature Bend	ASTM D751 (59), D1790, D2136; ISO 4675
Circular Bend (Stiffness)	ASTM D4032
Coated Fabric Weight	ASTM D751 (10), D1117-01 (22) (Withdrawn 2009) <sup>1</sup> , D3776; GM T-469C; ISO 3801

<u>Test</u>	<u>Test Method(s)</u>
Coating Weight	ASTM D1117-01 (22) (Withdrawn 2009) <sup>1</sup> , D3776; GM T-469C; ISO 3801
Coefficient of Friction	ASTM D4518-91(Inactive) <sup>1</sup> ; GM T-469V; ISO 8295
Comb Stripping	ASTM D6479
Elongation (-30 to +90) °C	ASTM D751 (17), D1117-01 (9) (Withdrawn 2009) <sup>1</sup> , D5034, D5035; Federal Std. 191A.5100.1; Fuji TS343-8-1 (Section 5.1.c); GM T-469F; ISO 13934-1
Flammability	BREED E5077300-00; FAR 25.853; FMVSS-302; GM 9070P (Inactive 9/11) <sup>1</sup> ; ISO 3795
Flex Abrasion	ASTM D1117-01 (Withdrawn 2009) <sup>1</sup> ; ISO 5981
Gauge	ASTM D1117-01 (19) (Withdrawn 2009) <sup>1</sup> , D1777; Federal Std. 191A.5030; GM T-469Y; SAE J882
Mildew	GM T-469N; ISO 846
Mullen Burst	ASTM D751 (18-21), D1117-01 (10) (Withdrawn 2009) <sup>1</sup> , D3786; GM T-469J
Packability	ASTM D6478
Pliability	GM T-469S
Puncture Resistance	ASTM D751 (22-25), F1342 (Method B)
Resistance to Curling	Ford WSS-M8P3-D1 (Section 3.28)
Shrinkage	Fuji TS348-8-1 (Section 5.15); GM T-469L; ISO 3759; SAE J883
Standard Conditioning	ISO 139, 291; JIS Z 8703
Stretch and Set	GM T-469M; SAE J855
Taber Abrasion	ASTM D1117-01 (18) (Withdrawn 2009) <sup>1</sup> , D3884; Fuji TS343-8-1 (Section 5.13); SAE J365

<u>Test</u>	<u>Test Method(s)</u>
Tensile Strength (-30 to +90) °C	ASTM D751(12-16), D1117-01 (9) (Withdrawn 2009) <sup>1</sup> , D5034, D5035; Federal Std. 191A.5100.1; Fuji TS343-8-1 (Section 5.1.c); GM T-469F; BS EN ISO 13934-1
Tongue Tear (-30 to +90) °C	ASTM D751 (28-31), D1117-01 (15) (Withdrawn 2009) <sup>1</sup> , D2261; Federal Std. 191A.5134; Fuji TS343-8-1 (Section 5.3); ISO 13937-2
Trapezoid Tear (-30 to +90) °C	ASTM D751 (32-35), D1117-01 (14) (Withdrawn 2009) <sup>1</sup> , D4533, D5733-99 (Inactive) <sup>1</sup> ; GM T-469G
Volatility	GM T-469P
Weave Count	ASTM D3775; Federal Std. 191A.5050; GM T-469B; ISO 7211-2
Weight	ASTM D751 (10), D1117-01 (17) (Withdrawn 2009) <sup>1</sup> , D3776; EN-12127; Federal Std. 191A.5041; Ford FLTM-BN-106-01; GM T-469X; ISO 3374
Width	ASTM D751 (8), D3774; GM T-469D;
Wyzenbeek Abrasion	ASTM D4157; GM T-469I

<sup>1</sup>*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.*