



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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MECHANICAL

Valid To: October 31, 2020

Certificate Number: 1741.16

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following environmental, mechanical, and non-destructive tests:

Test

Test Method

Airbag Deployment Testing (Environmental)
(-40 to 95) °C

BMW PR 7 007 983;
BMW QS 72013;
Daimler A002 005 04 99;
VW PV 3546, 3545;
Tesla TM 2550

Tensile Testing
1 N to 5 kN

ASTM E8/E8M, A370, B557;
EN895, EN10002;
ISO 527-1, 527-3;
DIN 1464, 53357; ISO 844

Elongation at Break

DIN 53357; ISO 844

Flexural Strength
1 N to 5 kN

DIN EN ISO 178

Cross Hatch
(1 to 100) %

ASTM D3359; BMW GS 97051

Surface Energy
(36 to 53) mN/m

ISO 8296; DIN 53364

Test

Flammability Horizontal

Flammability 45 degree

Color

Gloss

Occupancy Testing

Temperature & Humidity Cycling (Environmental)
(-73 to 190) °C
(10 to 95) %RH

Sun Simulation
(-70 to 174) °C
(10 to 95) % RH

Salt Fog

Test Method

FMVSS 302; 49 CFR 571.302;
GMW 3232;
BMW GS97038; DIN 75200;
VW TL1010; VW PV 3357;
Daimler DBL 5307; GB 8410;
VOLVO VCS 5013,19;
VOLVO STD 104-0001;
TOYOTA BS DM 0500

16 CFR 1610; ASTM D 1230

C.I.E. L*A*B*; SAE J1545;
ASTM D 2244; ISO 7724

ASTM D 523; ISO 2813

49 CFR 571.208 (S19 & S20)

BMW PR 292, 303.5, 306.5,
308.2;
Ford FLTM BQ 104-7: Method 2;
GMW 14124 Cycles: H, M, N, P,
& S;
DIN EN ISO 53497;
DIN 50011-12; VW TL 527;
VW PV 1200;
Daimler DBL 5471;
Tesla TP 0000706;
Tesla PV 2005A

BMW PR 306.5;
DIN 75220; MIL-STD-810G

ASTM B117; ISO 9227

Xenon Arc (UV Fluorescent)

ASTM D 2565, 5071, 4355, 6695,
4459, 4637; ASTM G 151, 155;
GM 9125P; ISO 105:B02, B04,
B06, B07; ISO 4892-1,4892-2;
SAE J 2412, 2547; VW PV 1306,
3929, 3930

Stability and Shrinkage

BMW PR 292

Condensing Humidity

DIN ISO 6270-2

ODOR

VDA 270; BMW PR 292

Cleaning Test/Resistance to Media

BMW PR 292

Vibration

BMW PR 309

112 g

Stroke 3 inch

8,000 lbf

(-51 to 100) °C

(10 to 95) % RH

Photogrammetry

Measurement per customer spec



Accredited Laboratory

A2LA has accredited

J.A. KING

Greenville, SC

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 13th day of March 2019.

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1741.16
Valid to October 31, 2020

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