SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ADVANCED COMPOSITES, INC. TENNESSEE FACILITY – ENGINEERING
3074 Sidco Drive
Nashville, TN 37204
Todd Fannin Phone: 615 244 8994

MECHANICAL

Valid To: January 31, 2028 Certificate Number: 1957.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on plastics:

Test:	**Test Method(s):**
Colorfastness to Burnt Gas Fumes	AATCC TM 23
Izod Pendulum Impact Resistance	ASTM D256; ISO 180
Specular Gloss	ASTM D523
Conditioning Plastics for Testing	ASTM D618; ISO 291
Tensile Properties	ASTM D638; ISO 527-1, -2
Deflection Temperature Under Flexural Load	ASTM D648 (Method B); ISO 75-1, -2
Flexural Properties	ASTM D790; ISO 178
Density and Specific Gravity	ASTM D792 (Method A); ISO 1183-1 (Method A)
Melt Flow Rate	ASTM D1238; ISO 1133-1
Color Measurement by Data Color, CIE, XYZ, L-A-B, and Transmittance	ASTM D2244
Thermal Oxidative Stability	ASTM D3012; ISO 4577
Accelerated Ageing and Heat Resistance Tests	ISO 188
Transitional Temperatures and Enthalpies of Fusion and Crystallization and Specific Heat Capacity of Polymers by Differential Scanning Calorimetry	ASTM D3418; ISO 11357-1, -3, -4
High Speed Puncture Properties	ASTM D3763; ISO 6603-2

Test:	**Test Method(s):**
Ash Content in Thermoplastics	ASTM D5630 (Procedure B); ISO 3451-1 (Method A)
Coefficient of Linear Thermal Expansion with a Push-Rod Dilatometer	ASTM E228
Linear Thermal Expansion of Solid Materials by Thermomechanical Analysis	ASTM E831; ISO 11359-1, -2
Thermogravimetric Analysis	ASTM E1131, ISO 11358-1
Water Resistance	FLTM BI 104-01 (Method C)
Paint Adhesion	FLTM BI 106-01 (Method D)
Hydrolysis Resistance	FLTM BI 106-03
Ford Thermal Shock Test for Coating Adhesion	FLTM BI 107-05
Ford Water & Soap Spotting/Horizontal Chemical Resistance	FLTM BI 113-01
Ford Vertical Chemical Resistance	FLTM BI 168-01
Environmental Cycling	FLTM BQ 104-07 (Procedure 1)
Determining the Resistance to Odor Propagation of Interior Materials	FLTM BO 131-03; GMW3205; PV3900; LP-463KC-09-01
Fogging Characteristics of Trim Materials	GMW 3235; SAE J1756
Moisture Cold-Cycle	GMW14124 *(except Cycles F, G, J, U, V)*
GM Resistance to Fuels	GMW14333
GM Chemical Resistance	GMW14334 (Methods A & B)
GM Sunscreen & Insect Repellant Resistance	GMW14445
Resistance to Scratch and Mar	GMW14688; PV 3952
High Humidity Test	GMW14729
Tape Adhesion	GMW14829
Determination of Volatile and Semi-Volatile Organic Compounds for Vehicle Interior Materials	GMW15634; VDA 278
GM Determining Cure of Painted Plastic Substrates	GMW15891
GM Thermal Shock Test for Coating Adhesion	GMW15919
GM Water Jet Tests	GMW16745-B

Test:	Test Method(s):
Accelerated Exposure of Automotive Interior Trim Components/Exterior Materials Using a Controlled Irradiance Xenon Arc Apparatus	ISO 105-B06; SAE J2412, SAE J2527; FLTM BO 116-01; ASTM D7869-13; TSM0501G
Charpy Impact	ISO 179-1
Film Thickness Measurement – Paint	ISO 2808 (5.4.4.2)
Flammability, Interior Materials	ISO 3795; GMW3232; SAE J369; 49 CFR 571.302 (FMVSS 302)
High Strain Rate Tensile Testing of Polymers	ISO 18872; SAE J2749
Determination of Emission of Organic Compounds	PV 3341; VDA 277
Chip Resistance	SAE J400; GMW14700
Vicat Softening Temperature	ASTM D1525, ISO 306
Paints and Varnishes – Cross-Cut Test	ISO 2409
Stellantis Fluids Resistance	LP-463PB-31-01 (Methods B, D, J)
Stellantis Fluids Staining	LP.7M052
Stellantis/Renault Tackiness Testing	D44 1115

Accredited Laboratory

A2LA has accredited

ADVANCED COMPOSITES, INC.
TENNESSEE FACILITY – ENGINEERING

Nashville, TN

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 January 2026.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1957.02
Valid to January 31, 2028

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