



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ADVANCED COMPOSITES, INC. OHIO FACILITY – ENGINEERING
1164 S. Fourth Avenue
Sidney, OH 45365
Todd Fannin Phone: 615 244 8994 x3212

MECHANICAL

Valid To: June 30, 2026

Certificate Number: 0749.02

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

<u>Test Name:</u>	<u>Test Method(s):</u>
Izod Pendulum Impact Resistance	ASTM D256 (Method A); ISO 180 (Type A Notched Specimens)
Specular Gloss	ASTM D523
Conditioning Plastics for Testing	ASTM D618; ISO 291
Tensile Properties	ASTM D638 (<i>except A.3</i>); ISO 527-1, -2; ISO 37
Heat Deflection Under Load	ASTM D648 (Method B); ISO 75-1, -2
Brittleness Temperature	ASTM D746; Toyota TSM0501G
Rockwell Hardness (Scale R)	ASTM D785
Flexural Properties	ASTM D790; ISO 178
Density and Specific Gravity	ASTM D792 (Method A); ISO 1183-1 (Method A)
Melt Flow Rates of Thermoplastics	ASTM D1238; ISO 1133-1
Vicat Softening Temperature (Rate B)	ASTM D1525; ISO 306
Durometer Hardness (Shore A & D)	ASTM D2240; ISO 868
Color Measurement by Data Color, CIE, XYZ, L-A-B, and Transmittance	ASTM D2244

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Test Name:

Transition Temperatures by Differential Scanning Calorimetry

Ash Content in Thermoplastics

Linear Thermal Expansion of Solid Materials by Thermomechanical Analysis

Thermogravimetric Analysis

Charpy Impact

Determination of the Fogging Characteristics of Interior Automotive Materials

Test Method(s):

ASTM D3418; ISO 11357-1, -3

ASTM D5630 (Procedure B); ISO 3451-1 (Method A)

ASTM E831

ASTM E1131

ISO 179-1

GMW 3235; TSM 0503G-5-P-1



Accredited Laboratory

A2LA has accredited

ADVANCED COMPOSITES, INC. OHIO FACILITY – ENGINEERING

Sidney, OH

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 6th day of June 2024.

A blue ink signature of Mr. Trace McInturff, written in a cursive style.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 0749.02
Valid to June 30, 2026

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