



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ADVANCED COMPOSITES, INC. - OHIO FACILITY¹

1062 S. Fourth Avenue
Sidney, OH 45365
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MECHANICAL

Valid To: June 30, 2022

Certificate Number: 0749.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory at the location listed above, *as well as the satellite location listed below*, to perform the following tests on thermoplastic resins:

Test Name:

Test Method(s):

Melt Flow Rates of Thermoplastics

ASTM D1238 (Procedure A);
ISO 1133 (Procedures A & B)

Color Measurement by Data Color, CIE,
XYZ, L-A-B, and Transmittance

ASTM D2244

Ash Content in Thermoplastics

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

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1164 Fourth Avenue
Sidney, OH 45365

Test Name:

Test Method(s):

Izod Impact Resistance

ASTM D256 (Method A); ISO 180/1A

Specular Gloss

ASTM D523

Conditioning Plastics for Testing

ASTM D618

Tensile Properties

ASTM D638 (*except A.3*); ISO 527-1, -2; ISO 37

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Test Name:**Test Method(s):**

Heat Deflection Under Load	ASTM D648 (Method B); ISO 75-1, -2
Brittleness Temperature	ASTM D746; Toyota TSM0501G
Rockwell Hardness (R scale)	ASTM D785 (Procedure A)
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 (Procedure A); ISO 1133 (Procedure A)
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
Transition Temperatures by Differential Scanning Calorimetry	ASTM D3418; ISO 11357-1, -3
Ash Content in Thermoplastics	ASTM D5630 (Procedure B); ISO 3451-1 (Method A)
Linear Thermal Expansion of Solid Materials by Thermomechanical Analysis	ASTM E831
Thermogravimetric Analysis	ASTM E1131
Charpy Impact	ISO 179-1
Accelerated Exposure of Automotive Interior Trim Components Using a Controlled Irradiance Xenon Arc Apparatus	SAE J2412
Accelerated Exposure of Automotive Exterior Materials Using a Controlled Irradiance Xenon Arc Apparatus	SAE J2527
Determination of the Fogging Characteristics of Interior Automotive Materials	SAE J1756; GMW 3235; TSM 0503G-5-P-1

¹*This accreditation covers testing performed at all laboratory locations listed in this scope of accreditation.*

