



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ADVANCED COMPOSITES, INC. - OHIO FACILITY¹

1062 S. Fourth Avenue
Sidney, OH 45365
Mark Gold Phone: 937 575 9851

MECHANICAL

Valid To: June 30, 2020

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:

<u>Test Name:</u>	<u>Test Method(s):</u>
Melt Flow Rates of Thermoplastics	ASTM D1238 (Procedure A); ISO 1133 (Procedure A)
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)

ADVANCED COMPOSITES, INC. - OHIO FACILITY¹

1164 Fourth Avenue
Sidney, OH 45365

<u>Test Name:</u>	<u>Test Method(s):</u>
Izod Impact Resistance	ASTM D256 (Method A); ISO 180/1A
Specular Gloss	ASTM D523
Conditioning Plastics for Testing	ASTM D618
Tensile Properties	ASTM D638 (<i>except A.3</i>); ISO 527-1, -2
Heat Deflection Under Load	ASTM D648 (Method B); ISO 75-1, -2

(A2LA Cert. No. 0749.01) 10/17/2018

Page 1 of 2

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

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 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.*

