



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ADVANCED COMPOSITES, INC. - OHIO FACILITY
1062 Fourth Avenue
Sidney, OH 45365
Mark Gold Phone: 937 575 9851

MECHANICAL

Valid To: June 30, 2012

Certificate Number: 0749.01

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 Impact Resistance	ASTM D256 (Method A); ISO 180 (1/A)
Specular Gloss	ASTM D523
Conditioning Plastics for Testing	ASTM D618
Tensile Properties	ASTM D638 (except A.3); ISO 527
Heat Deflection Under Load	ASTM D648 (Method B); ISO 75
Brittleness Temperature	ASTM D746
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, Lab and Transmittance	ASTM D2244
Transition Temperatures by Differential Scanning Calorimetry	ASTM D3418; ISO 11357-1, -3

<u>Test Name</u>	<u>Test Method(s)</u>
High Speed Puncture Properties	ASTM D3763
Ash Content in Thermoplastics	ASTM D5630 (Procedure B); ISO 3451 (Method A)
Linear Thermal Expansion of Solid Materials by Thermomechanical Analysis	ASTM E831
Thermogravimetric Analysis	ASTM E1131
Charpy Impact	ISO 179
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