



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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MECHANICAL

Valid To: May 31, 2021

Certificate Number: 0197.01

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

<u>Test</u>	<u>Test Method(s)</u>
Abrasion Resistance	ASTM D3489 (Part 14), D1044 (<i>Except Section 10.6</i>)
Abrasion Resistance of Organic Coatings	ASTM D4060
Accelerated Weathering	ASTM D2565, D4329, D4459, D4587, D6695, G154, G155; SAE J2020, J2412, J2527
Apparent Density	ASTM D1622
Ash (Ignition Loss)	ASTM D2584, D3489 (Part 21)
Ash (Microwave Furnace)	ASTM D5630 (Method B); ISO 3451-1 (Method A)
Ball Rebound	ASTM D3574 (Test H)
Calculation of Color Tolerances and Color Differences from Instrumentally Measured Color Coordinates	ASTM D2244
Compression	ASTM D575, D1621, D3489 (Part 12), D3574 (Test C)
Compression Set	ASTM D395 (Method B), D3574 (Test D)
Conditioning	ASTM D618; ISO 291

<u>Test</u>	<u>Test Method(s)</u>
Density	ASTM D3574 (Test A)
Determination of Properties by Capillary Rheometer	ASTM D3835
Dry Heat Aging	ASTM D3489 (Part 16), D3574 (Test K)
Durometer Hardness (A, D, OO)	ASTM D2240, D3489 (Part 10); ISO 868
Flammability	ASTM D4986, D5132; Calif. T.B. 117: 2013, Section 3; FMVSS 302; ISO 3795, ISO 9772; SAE J369; UL 94 (<i>Except Section 10</i>)
Flexural Properties	ASTM D790, D3489 (Part 20); ISO 178
Flow Rates of Thermoplastics by Extrusion Plastometer	ASTM D1238 (Methods A and B); ISO 1133
Gloss	ASTM D523
Haze and Transmittance	ASTM D1003 (Method A)
Heat Aging of Plastics Without Load	ASTM D3045
Heat and Humidity Aging	ASTM D2126, D3574 (Test L)
Heat Deflection	ASTM D648 (Method B); ISO 75-1, -2
High Speed Puncture	ASTM D3763; ISO 6603-2
Indentation Force Deflection	ASTM D3574 (Tests B ₁ and B ₂)
Impact Resistance	ASTM D256, D4812; ISO 179 (Methods 1eA and 1eU), 180
Rockwell Hardness (R, M)	ASTM D785
Rubber - Deterioration in an Air Oven	ASTM D573
Salt Fog / Fluorescent UV	ASTM D5894
Specific Gravity and Density	ASTM D792 (Method A); ISO 1183-1 (Method A)



<u>Test</u>	<u>Test Method(s)</u>
Steam Autoclave	ASTM D3574 (Test J)
Tear Resistance	ASTM D624, D1004, D3489 (Part 9), D3574 (Test F); ISO 34-1 (Method B)
Tensile Adhesion	ASTM D1623
Tensile Properties	ASTM D638 (<i>Except Part A3</i>); ISO 527-1 (<i>Except Part 10.4</i>), -2
Tension	ASTM D412 (Method A), D3489 (Part 8), D3574 (Test E); ISO 37 (Type 1)
Thermal Conductivity	ASTM C518
Urethane Properties	ASTM D3489 (<i>Except Parts 13, 15, 17, 18, 22, 23</i>), D3574 (<i>Except Tests G, I₁, I₂, I₃, and I₄</i>)
Vicat Softening Point	ASTM D1525; ISO 306
Water Absorption	ASTM D570; ISO 62 (Method 1)
Yellowness Index	ASTM E313
Recovery Time	ASTM D3574 (Test M)

