



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

RHETECH  
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MECHANICAL

Valid To: May 31, 2027

Certificate Number: 0874.01

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 rubber:

<u>Test</u>	<u>Test Method(s)</u>
Accelerated Weathering with Xenon Arc - Exterior	SAE J2527
Accelerated Weathering with Xenon Arc - Interior	SAE J2412
Ash Content and Loss on Ignition	ASTM D2584, D5630(B); ISO 1172(A), 3451-1(A)
Charpy Impact Strength	ISO 179-1/1eA
Conditioning of Plastics	ASTM D618
Density and Specific Gravity	ASTM D792(A); ISO 1183-1(A)
Differential Scanning Calorimetry (DSC) Melt Temperature, Heat of Fusion, Crystallization Temperature	ASTM E794; ISO 11357 (1, 2, 3)
Oxidative Induction Time (OIT) Specific Heat Transition Temperature	ASTM D3895, E1269, D3418
Drop Dart - Impact Strength	GM9032P (2010)
Durometer Hardness (Shore D)	ASTM D2240; ISO 868
Thermo Mechanical Analyzer (TMA) CLTE	ASTM E831

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<u>Test</u>	<u>Test Method(s)</u>
Flammability - Horizontal and Vertical	ASTM D635, D3801; FMVSS302; ISO 3795; SAE J369; UL 94HB, 94 V-0,1,2; GMW3232
Flexural Properties	ASTM D790; ISO 178
Fourier Transform Infrared Spectroscopy (FTIR)	ASTM E1252
Gardner Impact Resistance	ASTM D5420
Heat Ageing	ISO 188 (B)
Heat Deflection Temperature	ASTM D648 (B); ISO 75 (1&2)
High – Speed Puncture Properties Multi – Axial Impact	ASTM D3763; GM 9300P (2012); GM 9904P (2011); ISO 6603-2
Impact Resistance - Notched/Reversed Izod	ASTM D256 (A&E); ISO 180/A
Instrumental Color Differences (CIELAB)	ASTM E1331; GM9741P (2012); SAE J1545
Melt Flow Rate	ASTM D1238 (A); ISO 1133-1
Moisture Content	ASTM D280 (A)
Mold Shrinkage	ASTM D955; ISO 294-4
Scratch Resistance	BN 108-13 (visual) (2001); LP-463DD-18-01(A); FLTM BO 162-01 (visual) GMW 14698, Method B

<u>Test</u>	<u>Test Method(s)</u>
Specular Gloss	ASTM D523
Stress Mark Susceptibility	GM9302P (2014); GMW17141
Tear Strength	ASTM D624
Tensile and Elongation Properties	ASTM D638 ; except A3 ISO 527 (1&2); except 10.4 DIN 53504
Thermal Oxidative Stability	ASTM D3012
Thermogravimetric Analyzer (TGA) General Principles/Compositional Analysis	ASTM E1131; ISO 11358-1
Unnotched Izod Impact Resistance	ASTM D4812
Vicat Softening Temperature	ASTM D1525; ISO 306
Visual Evaluation of Color	ASTM D1729; SAE J361; GMW 15777
Whiteness Index	ASTM E313
Yellowness Index	ASTM E313