



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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MECHANICAL

Valid To: May 31, 2019

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 GM 9094P (inactive, 2011)* ISO 11357 (1, 2, 3)
Oxidative Induction Time (OIT) Specific Heat Transition Temperature	ASTM D3895 ASTM E1269 ASTM D3418
Drop Dart - Impact Strength	GM9032P (inactive, 2010)*
Durometer Hardness (Shore A & D)	ASTM D2240 ISO 868

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<u>Test</u>	<u>Test Method(s)</u>
Thermo Mechanical Analyzer (TMA) CLTE	ASTM E831
Flammability - Horizontal and Vertical	ASTM D635, D3801 FMVSS302 GM9070P (superseded, 2011)* ISO 3795 SAE J369 UL 94HB, 94 V-0,1,2 GMW3232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High - Speed Puncture Properties Multi - Axial Impact	ASTM D3763 GM 9300P (inactive, 2012)* GM 9904P (superseded, 2011)* ISO 6603-2
Impact Resistance - Notched/Reversed Izod	ASTM D256 (A&E) ISO 180/A
Instrumental Color Differences (CIELAB)	ASTM E1331 GM9741P (inactive, 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Scratch Resistance	BN 108-13 (visual) (superseded, 2001)* LP-463DD-18-01(A) GMN 3943 (method A) FLTM BO 162-01 (visual)

<u>Test</u>	<u>Test Method(s)</u>
Specular Gloss	ASTM D523
Stress Mark Susceptibility	GM9302P (inactive, 2014)* GMW17141
Tear Strength	ASTM D624
Tensile and Elongation Properties	ASTM D638 ISO 527 (1&2) 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
Whiteness Index	ASTM E313
Yellowness Index	ASTM E313

*NOTE: This laboratory's scope contains discontinued, superseded and inactive methods. As a clarifier, this indicates that the applicable method itself has been discontinued or is now considered "inactive" and not that the laboratory's accreditation for the method has been withdrawn.

