



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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MECHANICAL

Valid To: May 31, 2025

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) ¹ ; 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) ¹
Durometer Hardness (Shore A & D)	ASTM D2240; ISO 868
Thermo Mechanical Analyzer (TMA) CLTE	ASTM E831

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Test

Test Method(s)

Flammability - Horizontal and Vertical

ASTM D635, D3801;
FMVSS302;
GM9070P (superseded, 2011)¹;
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)¹;
GM 9904P (superseded, 2011)¹;
ISO 6603-2

Impact Resistance - Notched/Reversed Izod

ASTM D256 (A&E);
ISO 180/A

Instrumental Color Differences (CIELAB)

ASTM E1331;
GM9741P (inactive, 2012)¹;
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BN 108-13 (visual) (superseded, 2001)¹;
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) ¹ ; 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

¹NOTE: 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.