The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

INTERTEK PLASTICS TECHNOLOGY LABORATORIES, INC.

Pittsfield, MA

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009*).

AMERICAN ASSOCIATION FOR LABORATORY ACCREDITATION CORPORATE SEAL 1978 DISTRICT OF COLUMBIA A2LA

Presented this 11th day of May 2011.

President & CEO
For the Accreditation Council
Certificate Number 0619.01
Valid to February 28, 2013

For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

INTERTEK PLASTICS TECHNOLOGY LABORATORIES, INC.
50 Pearl Street
Pittsfield, MA 01201
James Koehler Phone: 413 499 0983
Website: www.ptli.com

MECHANICAL

Valid To: February 28, 2013 Certificate Number: 0619.01

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 Polymers, Rubber and Rubber Products, Composites, Films and Packaging:

Test Standard	Test Description
ASTM D149	*Dielectric Strength, Dielectric Breakdown:* Standard Test Method for Dielectric Breakdown Voltage and Dielectric Strength of Solid Electrical Insulating Materials at Commercial Power Frequencies
ASTM D150	*Dielectric Constant, Dissipation Factor, Loss Factor, Dc/Df:* Standard Test Methods for AC Loss Characteristics and Permittivity (Dielectric Constant) of Solid Electrical Insulation
ASTM D256	*Notched Izod Impact:* Standard Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics
ASTM D257	*Volume / Surface Resistivity:* Standard Test Methods for DC Resistance or Conductance of Insulating Materials
ASTM D395	*Compression Set*: Standard Test Methods for Rubber Property—Compression Set Method B
ASTM D412	*Tensile Strength Of Rubber, Elastomer Tensile*: Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers—Tension
ASTM D471	*Volume Change, Fluid Resistance, Swell*: Standard Test Method for Rubber Property-Effect of Liquids
ASTM D523	*60° Gloss, 60 Degree Gloss, Sheen:* Standard Test Method for Specular Gloss
ASTM D542	*Refractive Index*: Standard Test Method for Index of Refraction of Transparent Organic Plastics
ASTM D543	*Chemical Compatibility*: Standard Practices for Evaluating the Resistance of Plastics to Chemical Reagents
ASTM D570	*Water Absorption, 24 Hour H_2O Absorption:* Standard Test Method for Water Absorption of Plastics

5301 Buckeystown Pike, Suite 350 | Frederick, Maryland 21704-8373 | Phone: 301 644 3248 | Fax: 301 662 2974 | www.A2LA.org

Test Standard	Test Description
ASTM D573	*Oven Aging*: Standard Test Method for Rubber-Deterioration in an Air Oven
ASTM D618	*Conditioning of Plastics:* Standard Practice for Conditioning Plastics for Testing
ASTM D624	*Tear Strength, Die C Tear:* Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers
ASTM D635	*Flammability, Horizontal Burn:* Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position
ASTM D638	*Tensile Test of Plastics, ASTM Tensile Properties, Tensile Modulus, Elongation, Tensile Strength:* Standard Test Method for Tensile Properties of Plastics
ASTM D648	*Heat Deflection Temperature, HDT, DTUL, Deflection Temperature Under Load:* Standard Test Method for Deflection Temperature of Plastics Under Flexural Load in the Edgewise Position
ASTM D695	*Compression Test, Compressive Properties, Compression Strength, Compression Modulus*: Standard Test Method for Compressive Properties of Rigid Plastics
ASTM D696	*Coefficient Of Linear Thermal Expansion –30°C To +30°C, CTE, Dilatometer*: Standard Test Method for Coefficient of Linear Thermal Expansion of Plastics Between -30°C and 30°C With a Vitreous Silica Dilatometer
ASTM D732	*Shear Strength, Shear Strength By Puncture:* Standard Test Method for Shear Strength of Plastics by Punch Tool
ASTM D746	*Brittleness Testing,* Standard Test Method for Brittleness Temperature of Plastics and Elastomers by Impact
ASTM D751	Standard Test Methods for Coated Fabrics Procedure A - Grab Test Method and Procedure B - Cut Strip Test Method
ASTM D785	*Rockwell Hardness (M, R, E Scales):* Standard Test Method for Rockwell Hardness of Plastics and Electrical Insulating Materials
ASTM D789	*Relative Viscosity, Nylon:* Standard Test Methods for Determination of Relative Viscosity of Polyamide (PA)
ASTM D790	*Flexural Test, Three Point Bending, Four Point Bending:* Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials
ASTM D792	*Specific Gravity, Relative Density, Density, Apparent Density:* Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement
ASTM D882	*Tensile Test – Thin Sheeting, Film Tensile, Film Modulus:* Standard Test Method for Tensile Properties of Thin Plastic Sheeting
ASTM D903	*Peel Strength, 180 Degree Peel:* Standard Test Method for Peel or Stripping Strength of Adhesive Bonds

Test Standard	Test Description
ASTM D1002	*Lap Shear, Bond Strength:* Standard Test Method for Apparent Shear Strength of Single-Lap-Joint Adhesively Bonded Metal Specimens by Tension Loading (Metal-to-Metal)
ASTM D1003	*Haze and Luminous Transmittance, Diffuse Transmittance:* Standard Test Method for Haze and Luminous Transmittance of Transparent Plastics
ASTM D1004	*Tear Resistance, Film Tear:* Standard Test Method for Initial Tear Resistance of Plastic Film and Sheeting
ASTM D1204	*Dimensional Stability, Linear Dimensional Stability:* Standard Test Method for Linear Dimensional Changes of Nonrigid Thermoplastic Sheeting or Film at Elevated Temperature
ASTM D1238	*Melt Flow Rate, MFR, Melt Index, MI:* Standard Test Method for Melt Flow Rates of Thermoplastics by Extrusion Plastometer
ASTM D1243	*Dilute Solution Viscosity:* Standard Test Method for Dilute Solution Viscosity of Vinyl Chloride Polymers
ASTM D1525	*Vicat Softening Temperature, VST:* Standard Test Method for Vicat Softening Temperature of Plastics
ASTM D1603	*Carbon Black Content:* Standard Test Method for Carbon Black In Olefin Plastics
ASTM D1621	Standard Test Method for Compressive Properties Of Rigid Cellular Plastics
ASTM D1622	Apparent Density: Standard Test Method for Apparent Density of Rigid Cellular Plastics
ASTM D1667	Standard Specification for Flexible Cellular Materials-Vinyl Chloride Polymers and Copolymers (Closed-Cell Foam) Test Method For Density
ASTM D1693	*Stress-Cracking, ESCR Of Polyethylene*: Standard Test Method for Environmental Stress-Cracking of Ethylene Plastics
ASTM D1708	*Tensile Test, Micro Tensile:* Standard Test Method for Tensile Properties of Plastics By Use of Microtensile Specimens
ASTM D1709	*Drop-Dart Test, Film Impact, Film Dart Drop:* Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method
ASTM D1790	Standard Test Method for Brittleness Temperature of Plastic Sheeting by Impact
ASTM D1822	*Tensile Impact:* Standard Test Method for Tensile-Impact Energy to Break Plastics and Electrical Insulating Materials
ASTM D1894	*Coefficient of Friction, COF, Static COF, Kinetic COF:* Standard Test Method for Static and Kinetic Coefficients of Friction of Plastic Film and Sheeting
ASTM D1922	*Tear Resistance, Elmendorf Tear:* Standard Test Method for Propagation Tear Resistance of Plastic Film and Thin Sheeting by Pendulum Method
ASTM D1938	*Trouser Tear:* Standard Test Method for Tear-Propagation Resistance (Trouser Tear) of Plastic Film and Thin Sheeting by a Single-Tear Method

Test Standard	Test Description
ASTM D2240	*Durometer Hardness (A & D), Shore Hardness, Shore Durometer:* Standard Test Method for Rubber Property—Durometer Hardness
ASTM D2244	*Color, CIE Hunter:* Standard Practice for Calculation of Color Tolerances and Color Differences from Instrumentally Measured Color Coordinates
ASTM D2344	*Short Beam Shear, Interlaminar Shear:* Standard Test Method for Short-Beam Strength of Polymer Matrix Composite Materials and Their Laminates
ASTM D2565	X*enon Arc Accelerated Weathering, Artificial Weathering:* Standard Practice for Xenon Arc Exposure of Plastics Intended for Outdoor Applications
ASTM D2583	*Barcol Hardness, Indenter Hardness:* Standard Test Method for Indentation Hardness of Rigid Plastics by Means of a Barcol Impressor
ASTM D2584	*Ignition Loss, Glass Content, Fiber Content, Ash Content, Resin Content:* Standard Test Method for Ignition Loss of Cured Reinforced Resins
ASTM D2734	*Void Content, Method A:* Standard Test Methods for Void Content of Reinforced Plastics
ASTM D2857	*Viscosity, Dilute Solution Viscosity, Intrinsic Viscosity, Inherent Viscosity:* Standard Practice for Dilute Solution Viscosity of Polymers
ASTM D2863	*Oxygen Index, OI, Limiting Oxygen Index, LOI:* Standard Test Method for Measuring the Minimum Oxygen Concentration to Support Candle-Like Combustion of Plastics (Oxygen Index)
ASTM D3163	*Lap-Shear, Bond Strength:* Standard Test Method for Determining Strength of Adhesively Bonded Rigid Plastic Lap-Shear Joints in Shear by Tension Loading
ASTM D3167	*Peel Test, Floating Roller Peel:* Standard Test Method for Floating Roller Peel Resistance of Adhesives
ASTM D3170	*Chip Resistance, Gravelometer:* Standard Test Method for Chipping Resistance of Coatings
ASTM D3171	*Acid Digestion, Void Content By Acid Digestion:* Standard Test Methods for Constituent Content of Composite Materials, Procedures A, B, C, D, E, G
ASTM D3354	Standard Test Method for Blocking Load of Plastic Film by the Parallel Plate Method
ASTM D3359	*Cross Hatch Adhesion:* Standard Test Methods for Measuring Adhesion by Tape Test
ASTM D3418	*Tg, Glass Transition Temperature by DSC:* Standard Test Method for Transition Temperatures of Polymers By Differential Scanning Calorimetry
ASTM D3574-A	*Density:* Standard Test Methods for Flexible Cellular Materials—Slab, Bonded, and Molded Urethane Foams
ASTM D3574-E	*Tensile Properties:* Standard Test Methods for Flexible Cellular Materials—Slab, Bonded, and Molded Urethane Foams
ASTM D3574-F	*Tear Resistance:* Standard Test Methods for Flexible Cellular Materials—Slab, Bonded, and Molded Urethane Foams

Test Standard	Test Description
ASTM D3763	*Dynatup, Instrumented Impact*: Standard Test Method for High Speed Puncture Properties of Plastics Using Load and Displacement Sensors
ASTM D3801	*Flammability, Vertical Burn:* Standard Test Method for Measuring the Comparative Burning Characteristics of Solid Plastics in a Vertical Position
ASTM D3835	*Capillary Rheometry, Melt Viscosity, Thermal Stability, Apparent Viscosity:* Standard Test Method for Determination of Properties of Polymeric Materials by Means of a Capillary Rheometer
ASTM D4060	*Taber Abrasion:* Standard Test Method for Abrasion Resistance of Organic Coatings by the Taber Abraser
ASTM D4226	*Impact Resistance, Gardner Impact, Drop Dart Impact:* Standard Test Methods for Impact Resistance of Rigid Poly(Vinyl Chloride) (PVC) Building Products
ASTM D4329	*UV Exposure, QUV Exposure:* Standard Practice for Fluorescent UV Exposure of Plastics
ASTM D4440	*Dynamic Mechanical Analysis, DMA, Parallel Plate Rheology, Steady State Shear:* Standard Test Method for Plastics: Dynamic Mechanical Properties: Melt Rheology
ASTM D4459	*Xenon-Arc: Indoor Accelerated Sunlight Exposure:* Standard Practice for Xenon-Arc Exposure of Plastics Intended for Indoor Applications
ASTM D4587	*UV Exposure, QUV:* Standard Practice for Fluorescent UV-Condensation Exposures of Paint and Related Coatings
ASTM D4603	Standard Test Method for Determining Inherent Viscosity of Poly(Ethylene Terephthalate) (PET) by Glass Capillary Viscometer
ASTM D4812	*Unnotched Impact:* Standard Test Method for Unnotched Cantilever Beam Impact Strength of Plastics
ASTM D5048-B	*Burning Characteristics and Resistance to Burn Through of Solid Plastics:* Standard Test Method for Measuring the Comparative Burning Characteristics and Resistance to Burn-Through of Solid Plastics Using 125-mm Flame
ASTM D5132	*Horizontal Burn Rate:* Standard Test Method for Horizontal Burning Rate of Polymeric Materials Used in Occupant Compartments of Motor Vehicles
ASTM D5279	*DMA in Torsion, Shear Modulus, Storage Modulus, Tan Delta, Tg:* Standard Test Method for Plastics: Dynamic Mechanical Properties: In Torsion
ASTM D5379	*Shear of Composite, V-Notch Shear, Iosipescu Shear:* Standard Test Method for Shear Properties of Composite Materials by the V-Notched Beam Method
ASTM D5420	*Impact Resistance, Gardner Impact, Drop Dart Impact:* Standard Test Method for Impact Resistance of Flat, Rigid Plastic Specimen by Means of a Striker Impacted by a Falling Weight (Gardner Impact)
ASTM D5628	*Impact Resistance, Gardner Impact, Drop Dart Impact:* Standard Test Method for Impact Resistance of Flat, Rigid Plastic Specimens by Means of a Falling Dart (Tup or Falling Mass)

Test Standard	Test Description
ASTM D5630	*Ash Content:* Standard Test Method for Ash Content in Thermoplastics
ASTM D6110	*Notched Charpy Impact:* Standard Test Method for Determining the Charpy Impact Resistance of Notched Specimens of Plastics
ASTM D6272	*Flexural Property, Four Point Flex, Four Point Bending:* Standard Test Method for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials by Four-Point Bending
ASTM D6869	*Karl Fischer, Water Content, Moisture Content By Karl Fischer Titration*: Standard Test Method for Coulometric and Volumetric Determination of Moisture in Plastics Using the Karl Fischer Reaction (the Reaction of Iodine with Water)
ASTM D7192	Standard Test Method for High Speed Puncture Properties of Plastic Films Using Load and Displacement Sensors
ASTM D7426	Standard Test Method for Assignment of the DSC Procedure for Determining Tg of a Polymer or an Elastomeric Compound
ASTM E96	*Water Vapor Transmission, WVTR:* Standard Test Methods for Water Vapor Transmission of Materials
ASTM E313	*Yellowness Index:* Standard Practice for Calculating Yellowness and Whiteness Indices from Instrumentally Measured Color Coordinates
ASTM E793	*DSC, Delta H, Heat of Fusion, Crystallinity:* Standard Test Method for Enthalpies of Fusion and Crystallization by Differential Scanning Calorimetry
ASTM E831	*TMA, CTE, Coefficient Of Thermal Expansion:* Standard Test Method for Linear Thermal Expansion of Solid Materials by Thermomechanical Analysis
ASTM E1131	*TGA, Carbon Black Content By TGA, Ash Content:* Standard Test Method for Compositional Analysis by Thermogravimetry
ASTM E1252	*FTIR, Material ID, Basic Material Identification:* Standard Practice for General Techniques for Obtaining Infrared Spectra for Qualitative Analysis
ASTM E1269	*DSC, Specific Heat:* Standard Test Method for Determining Specific Heat Capacity by Differential Scanning Calorimetry
ASTM E1347	*Color Analysis, Tristimulus Color:* Standard Test Method for Color and Color-Difference Measurement by Tristimulus (Filter) Colorimetry
ASTM E1356	*DSC, Tg, Glass Transition Temperature By DSC:* Standard Test Method for Assignment of the Glass Transition Temperatures by Differential Scanning Calorimetry
ASTM E1530	Standard Test Method for Evaluating the Resistance to Thermal Transmission of Materials by the Guarded Heat Flow Meter Technique
ASTM E1545	*TMA, Tg By TMA, Glass Transition Temperature By TMA:* Standard Test Method for Assignment of the Glass Transition Temperature by Thermomechanical Analysis
ASTM E1640	Standard Test Method for Assignment of the Glass Transition Temperature By Dynamic Mechanical Analysis

Test Standard	Test Description
ASTM E1868	*LOD By TGA, Weight Loss*: Standard Test Method for Loss-On-Drying by Thermogravimetry
ASTM F1306	*Slow Rate Penetration:* Standard Test Method for Slow Rate Penetration Resistance of Flexible Barrier Films and Laminates
ASTM G151	*QUV UV Exposure:* Standard Practice for Exposing Nonmetallic Materials in Accelerated Test Devices that Use Laboratory Light Sources
ASTM G154	*QUV:* UV Exposure: Standard Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials
ASTM G155	*Xenon Arc, Accelerated Weathering*: Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials
ASTM C271/C271M	Standard Test Method for Density of Sandwich Core Materials
ASTM C272	Standard Test Method for Water Absorption of Core Materials for Structural Sandwich Constructions (Method A)
ASTM C273/C273M	Standard Test Method for Shear Properties of Sandwich Core Materials
ASTM C297/C297M	Standard Test Method for Flat wise Tensile Strength of Sandwich Constructions
ASTM C393/C393M	Standard Test Method for Core Shear Properties of Sandwich Constructions by Beam Fixture
ASTM D3039/3039M	Standard Test Method for Tensile Properties of Polymer Matrix Composite Materials
ASTM D3330/3330M	Standard Test Method for Peel Adhesion of Pressure Sensitive Tape
ASTM D6484/6484M	Standard Test Method for Open-Hole Compressive Strength of Polymer Matrix Composite Laminates
ASTM D6641/D6641M	Standard Test Method for Compressive Properties of Polymer Matrix Composite Materials Using a Combined Loading Compression (CLC) Test Fixture
ASTM D7028	Standard Test Method for Glass Transition Temperature (DMA Tg) of Polymer Matrix Composites by Dynamic Mechanical Analysis (DMA)
ASTM D7136/7136M	Standard Test Method for Measuring the Damage Resistance of a Fiber-Reinforced Polymer Matrix Composite to a Drop-Weight Impact Event
ASTM D7264/7264M	Standard Test Method for Flexural Properties of Polymer Matrix Composite Materials
ISO 34-1 (Method A)	Rubber, vulcanized or thermoplastic -- Determination of tear strength -- Part 1: Trouser, angle and crescent test pieces Method A Using Trouser Test Piece
ISO 34-1 (Method B)	Rubber, vulcanized or thermoplastic -- Determination of tear strength -- Part 1: Trouser, angle and crescent test pieces Method B using an angle test piece, with or without a nick of specified depth
ISO 37	*Tensile Strength*: Rubber, Vulcanized or Thermoplastic – Determination of Tensile Stress-Strain Properties

Test Standard	Test Description
ISO 62	*Water Absorption, H_2O Absorption*: Plastics -- Determination of Water Absorption
ISO 75	*Heat Deflection Temperature, HDT:* Plastics -- Determination of Temperature of Deflection Under
ISO 178	*Flexural Properties, Flexural Stress, Flexural Modulus:* Determination of Flexural Properties
ISO 179-1	*Charpy Impact Strength:* Plastics -- Determination of Charpy Impact Properties -- Part 1: Non-Instrumented Impact Test
ISO 180	*Izod Impact:* Plastics -- Determination of Izod Impact Strength
ISO 188	*Accelerated Aging in an Oven:* Rubber, vulcanized or thermoplastic -- Accelerated ageing and heat resistance tests
ISO 291	*Conditioning of Plastics:* Plastics – Standard Atmospheres for Conditioning and Testing
ISO 306	*Vicat Softening Temperature, VST:* Plastics -- Thermoplastic Materials -- Determination of Vicat Softening Temperature (VST)
ISO 489	*Refractive Index, RI, Index of Refraction:* Plastics -- Determination of Refractive Index
ISO 527	*Tensile Properties, Tensile Modulus, Tensile Strength:* Plastics -- Determination of Tensile
ISO 604	*Compression Properties, Compressive Strength, Compressive Modulus:* Plastics -- Determination of Compressive Properties
ISO 815	*Compression Set:* Rubber, Vulcanized or Thermoplastic -- Determination of Compression Set At Ambient, Elevated or Low Temperatures
ISO 868	*Hardness, Shore A & D:* Plastics and Ebonite -- Determination of Indentation Hardness by Means of A Durometer (Shore Hardness)
ISO 974	Plastics -- Determination of the brittleness temperature by impact
ISO 1133	*Melt Flow Rate, Melt Volume Rate:* Plastics -- Determination of The Melt Mass-Flow Rate (MFR) and The Melt Volume-Flow Rate (MVR) of Thermoplastics
ISO 1183-1 (Method A)	*Density, Specific Gravity:* Plastics -- Methods for Determining The Density of Non-Cellular Plastics -- Part 1: Method A Immersion Method
ISO 1817	*Volume Swell:* Rubber, Vulcanized -- Determination of The Effect of Liquids
ISO 2039-2	*Hardness, Rockwell:* Plastics -- Determination of Hardness -- Part 2: Rockwell Hardness (M, R, E Scales)
ISO 3451	*Ash Content, Percent Ash:* Plastics -- Determination of Ash
ISO 3795	*Flammability:* Road Vehicles, and Tractors and Machinery for Agriculture and Forestry -- Determination of Burning Behaviour of Interior Materials
ISO 4589-2	*Oxygen Index:* Plastics – Determination of Burning Behaviour by Oxygen Index Part 2: Ambient-Temperature Test

Test Standard	Test Description
ISO 4892-3	*QUV, UV Exposure:* Plastics -- Methods of Exposure To Laboratory Light Sources -- Part 3: Fluorescent UV Lamps
ISO 6383-2	*Tear Resistance of Film:* Determination of tear resistance -- Part 2: Elmendorf method
ISO 6452	*Fogging:* Rubber or Plastics Coated Fabrics -- Determination of Fogging Characteristics of Trim Materials In The Interior Of Automobiles
ISO 6603-2	*Dynatup, Multiaxial Impact:* Plastics -- Determination of Puncture Impact Behaviour of Rigid Plastics -- Part 2: Instrumented Impact Testing
ISO 7765-1	Plastics film and sheeting -- Determination of impact resistance by the free-falling dart method -- Part 1: Staircase methods
ISO 7765-2	Plastics film and sheeting -- Determination of impact resistance by the free-falling dart method -- Part 2: Instrumented puncture test
ISO 8009-9	*Tensile Properties of Contraceptives:* Mechanical contraceptives -- Reusable natural and silicone rubber contraceptive diaphragms – Section 9 of requirements and tests
ISO 11357	*DSC, Glass Transition Temperature, Tg, Crystallinity, Delta H, Heat of Fusion:* Plastics -- Differential Scanning Calorimetry (DSC)
ISO 11358	*TGA, Change In Mass, Thermal Residue:* Plastics -- Thermogravimetry (TG) of Polymers -- General Principles
ISO 11359	*TMA, CTE, Coefficient of Thermal Expansion, Glass Transition Temperature by TMA, Tg by TMA, Penetration Temperature by TMA:* Plastics -- Thermomechanical Analysis (TMA)
ISO 11443	*Shear Viscosity:* Plastics -- Determination of The Fluidity of Plastics Using Capillary and Slit-Die Rheometers
ISO 15512 (Method B)	*Karl Fischer, Water Content, Moisture Content By Karl Fischer Titration:* Plastics -- Determination of Water Content Method B Water Vaporization

Test Standards Other Than ASTM And ISO Methods

49 CFR 571.302	*Flammability:* Code of Federal Regulations Title 49: Transportation CFR Part 571 Federal Motor Vehicle Standards Section **302** Flammability of Interior Materials Also Identified As FMVSS 302
DIN 75 201	*Fogging:* Determination of the Windscreen Fogging Characteristics of Trim Materials in Motor Vehicles
EIA 564	Polycarbonate Chemical Compatibility
GM9059P	*Thermal Oxidative Stability:* Test for Thermal-Oxidative Stability Characteristics of Plastics
GM9305P	*Fogging:* Criteria for Determining Acceptable/Nonacceptable Materials
GM9900P	*Solvent Resistance, Chemical Compatibility:* Cleaning/Solvent Resistance of Automotive Components During Normal Customer Use

Test Standard	Test Description
IEC 60093	*Volume and Surface Resistivity:* Methods of Test for Volume Resistivity and Surface Resistivity of Solid Electrical Insulating Materials
IEC 60243	*Dielectric Strength:* Electrical Strength of Insulating Materials – Test Methods – Part 1: Tests at Power Frequencies
IEC 60250	*Dielectric Constant, Dissipation Factor, Loss Factor:* Recommended Methods for The Determination of The Permittivity and Dielectric Dissipation Factor of Electrical Insulating Materials At Power, Audio and Radio Frequencies Including Metre Wavelengths
MIL-STD–3010B (Test Method 2065)	Test Procedures For Packaging Materials - Test Method 2065 Puncture Resistance *(Supersedes Documents - FTMS 101C-2065.1 Puncture Resistance and Elongation Test (1/8 Inch Radius Probe Method) and MIL-STD-3010A Test Method 2065)*
SAE J369	*Horizontal Flame Test:* Flammability of Polymeric Interior Materials--Horizontal Test Method
SAE J400	*Chip Resistance, Gravelometer:* Test for Chip Resistance of Surface Coatings
SAE J1756	*Fogging:* Test Procedure To Determine The Fogging Characteristics of Interior Automotive Materials
SAE J1885:2005[1] (withdrawn 2008)	*Xenon Arc Accelerated Weathering, Artificial Weathering:* Accelerated Exposure of Automotive Interior Trim Components Using A Controlled Irradiance Water Cooled Xenon-Arc Apparatus
SAE J1960:2004[1] (withdrawn 2008)	*Xenon Arc Accelerated Weathering, Artificial Weathering:* Accelerated Exposure of Automotive Exterior Materials Using a Controlled Irradiance Water-Cooled Xenon Arc Apparatus
SAE J2020	*QUV:* Accelerated Exposure of Automotive Exterior Materials Using a Fluorescent UV and Condensation Apparatus
SAE J2236	*Temperature Resistance:* Standard Method for Determining Continuous Upper Temperature Resistance of Elastomers
SAE J2412	Accelerated Exposure of Automotive Interior Trim Components using a Controlled Irradiance Xenon-Arc Apparatus
SAE J2527	Accelerated Exposure of Automotive Exterior Material using a Controlled Irradiance Xenon-Arc Apparatus
UL-94	*Flammability:* Tests For Flammability of Plastic Materials for Parts in Devices and Appliances

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