



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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MECHANICAL

Valid To: February 28, 2013

Certificate Number: 1220.01

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

Designation

Short Title

FLAMMABILITY TESTING

ASTM D5132	Standard Test Method for Horizontal Burning Rate of Polymeric Material Used in Occupant Compartments of Motor Vehicles
ES-X60410	Flammability Resistance – Interior Materials
FLTM BN 024-02	Flammability Test for Automotive Interior Materials
FLTM EU-BN 024-02	Flammability Test for Automotive Interior Materials
FMVSS 302 (49 CFR 571.302)	Flammability of Interior Materials – Passenger Cars, Multipurpose Passenger Vehicles, Trucks, and Buses
GM9070P	Procedure for Testing Flammability of Materials
GMW 3232	Procedure for Testing Flammability of Materials (Both as received and after exposure to humidity and heat cycle)
HES D6003	Flammability Test Method for Automobile Interior Materials
ISO 3795	Road Vehicles, and Tractors and Machinery for Agriculture and Forestry – Determination of Burning Behavior of Interior Materials
JIS D 1201	Test Method for Determination of Burning Behavior of Interior Materials
SAE J369	Flammability Burn Rate

Designation

Short Title

FOGGING

SAE J1756	Test Procedure to Determine the Fogging Characteristics of Interior Automotive Materials
GM9305P	Determination of Fogging Characteristics of Automotive Trim Materials
LP-463 DB-12-01	Fogging Resistance of Interior Material

TENSILE STRENGTH, TEAR RESISTANCE/STRENGTH, ELONGATION

ASTM D412	Test Method for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers – Tension
ASTM D624	Test Method for Rubber Property – Tear Resistance
ASTM D638 (excluding 4.4)	Test Method for Tensile Properties of Plastics
ASTM D1004	Test Method for Initial Tear Resistance of Plastic Film and Sheeting
ASTM D1938	Test Method for Tear Strength (Trouser)
ISO 34-1	Rubber, Vulcanized or Thermoplastic – Determination of Tear Strength – Part I: Trouser, Angle and Crescent Test Pieces
ISO 37	Rubber, Vulcanized or Thermoplastic – Determination of Tensile Stress-Strain Properties
ISO 527-1 – ISO 527-5	Determination of Tensile Properties
MES MN 201-5	Tensile Testing
MES MN 201-5	Elongation Testing

ASH CONTENT

ASTM D2584	Test Method for Ignition Loss of Cured Reinforced Resins
ISO 3451-1	Plastics-Determination of Ash-Part 1: General Methods 3 rd Ed.
FLTM BO 006-01	Determination of Ash Content of Resins
FLTM BO 006-02	Determination of Ash Content of Molded Materials
FLTM EU-BO 006-02	Determination of Ash Content of Molding Materials

Designation

Short Title

CHEMICAL RESISTANCE

GM9069P:1988	Test for Resistance to Hydrogen Sulfide Staining
GM9214P:1988	Test for the Staining of Trim Materials
GM9500P	Gasoline Puddle Test for Gasoline Fill Areas
GM9501P	Gasoline Dip Test for Painted Parts
GM9736P	Sulfur Dioxide Spot Test
NES M 0133	Chemical Resistance Test Methods for Plastic Parts

ACCELERATED WEATHERING

ASTM G155	Practice for Operating Light Exposure Apparatus (Xenon Arc Type) With and Without Water for Exposure of Nonmetallic Materials Chromatic Transfer Scale
ISO 105-B06	Colorfastness and Aging to Artificial Light at High Temperatures: Xenon Arc Fading Test Lamp
GMW14162	Colorfastness to Artificial Weathering
SAE J1885-05	Accelerated Exposure of Automotive Interior Trim Components Using a Controlled Irradiance Water Cooled Xenon Arc Apparatus
SAE J2412	Accelerated Exposure of Automotive Interior Trim Components Using a Controlled Irradiance Xenon-Arc Apparatus
SAE J1960-04	Accelerated Exposure of Automotive Exterior Materials Using a Controlled Irradiance Water Cooled Xenon Arc Apparatus
SAE J2527	Accelerated Exposure of Automotive Exterior Materials Using a Controlled Irradiance Xenon-Arc Apparatus

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ELEVATED TEMPERATURE

ASTM D573	Test Method for Rubber – Deterioration in an Air Oven
ASTM D1203, Procedure A	Test Methods for Volatile Loss From Plastics Using Activated Carbon Methods
ASTM D6980	Standard Test Method for Determination of Moisture in Plastics by Loss in Weight
ASTM D3030	Test Method for Volatile Matter (including Water) of Vinyl Chloride Resins
CLP-463DD-4-01	Volatile Loss of Thermoplastics
GM9059P	Test for Thermal-Oxidative Stability Characteristics of Plastics
GM9329P	High Temperature Humidity Aging
GM9504P	Oven Aging Test Procedure for Painted Plastic Substrates
NES M 0132	Thermal Cycle Test Methods for Plastic Parts

HARDNESS

ASTM D2240	Test Method for Rubber Property – Durometer Hardness
ISO 868	Indentation Hardness
MES MN 201-12	Durometer Hardness Testing

FLEXURAL

ASTM D790	Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials
ISO 178	Plastics- Determination of Flexural Properties

SPECIFIC GRAVITY

ASTM D792	Test Methods for Specific Gravity (Relative Density) of Plastics by Displacement
ISO 1183-1, Method A	Plastics-Methods for Determining the Density of Non-Cellular Plastics (Part 1: I Immersion Method)
MES MN 201-4.4	Measurement of Specific Gravity and Density

Designation**Short Title****IMPACT**

ASTM D256	Standard Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics
ISO 180	Plastics – Determination of Izod Impact Strength
GM9032P	Test for Determining Impact Strength of Plastics

LOW TEMPERATURE

CLP-463DD-7-01	Cold Tests of Plastic Materials
FLTM BN 102-01 (Part A)	Cold Flexibility Test for Genuine Leathers, Coated Fabrics, and Flexible Plastics

SURFACE TESTS

FLTM BN 103-01	Resistance of Plastics and Leather to Deterioration and Migration Staining
GMN3943	Scratch and Mar Resistance of Plastics, Five Arm Test
FLTM BN 108-13	Resistance to Scratching (Visual Examination)
GM9150P	Resistance to Marring or Scuffing
GM9502P	Knife Crosshatch Adhesion Test Procedure for Painted Elastomeric Plastic Substrates
GM9900P	Cleaning/Solvent Resistance of Automotive Components During Normal Customer Use
GM9503P	Evaluating Brittleness of Painted Plastics and Sealants by Means of a Mandrel
GM9509P	Solvent Rub Method for Determining Cure of Painted Metal or Plastic Substrates
GM9506P	Dime Scrape Test to Determine Paint Adhesion and Brittleness
GMW14864	Procedure for determining the Staining of Trim Materials Due to Sulfur Dioxide, SO ₂ and Hydrogen Sulfide, H ₂ S
LP-463KC-04-01	Cleanability of Interior Trim (Procedures 1 and 2)
GM9507P	Thumbnail Hardness Test for Painted Parts

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Short Title

SURFACE TESTS (cont.)

LP-463PB-31-01 Method J	Solvent Wipe Resistance Test
LP-463DD-18-01	Scratch and Mar Resistance of Automotive Plastics using 5 Finger Scratch Device (Method A)
LP-463PB-31-01 Method F	Water Spot and Soap Spot Test

MISCELLANEOUS

AATCC Evaluation Procedure 1	Gray Scale for Color Change
AATCC-23 ISO 105-G02	Color Fastness to Burnt-Gas Fumes
ASTM D395	Test Method for Rubber Property – Compression Set, Method B
ASTM D618	Conditioning Plastics for Tests
ASTM D1238	Melt Flow Rates of Thermoplastics by Extrusion Plastometer
ASTM D471, Sec. 9-11, 15	Standard Test Method for Rubber Property-Effect of Liquids
ISO 1133	Plastics-Determination of Melt Flow Rate (MFR) and the Melt Volume Flow Rate (MVR) of Thermoplastics
ASTM D570	Test Method for Water Absorption of Plastic
ASTM D3835	Test Method for Determination of Properties of Polymeric Materials by Means of Capillary Rheometer
ISO 1817(Except 7.8)	Rubber, Vulcanized-Determination of Effect of Liquids
ASTM E313	Whiteness and Yellowness Index
MES MN 201-21	Water Absorption Testing
ASTM E1331	Color by Spectrophotometry
ISO 815	Rubber, Vulcanized or Thermoplastic – Determination of Compression Set at Ambient, Elevated or Low Temperature



The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

COMTREX, LLC.

Warren, MI

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*).

Presented this 28th day of January 2011.





Peter Abney

President & CEO
For the Accreditation Council
Certificate Number 1220.01
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.