



THE AMERICAN ASSOCIATION FOR
LABORATORY ACCREDITATION

ACCREDITED LABORATORY

A2LA has accredited

ADVANCED PLASTIC AND MATERIAL TESTING, INC.
Ithaca, NY

for technical competence in the field of

Chemical 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 18 June 2005*).



Presented this 24th day of November 2008.

A handwritten signature in black ink, appearing to read "Peter Abney".

President

For the Accreditation Council

Certificate Number 0326.02

Valid to November 30, 2010

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

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ADVANCED PLASTIC AND MATERIAL TESTING, INC.
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Ithaca, NY 14850
Joshua Wanagel Phone: 607 257 8378
Fax: 607 257 1586

CHEMICAL

Valid To: November 30, 2010

Certificate Number: 0326.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following types of tests on adhesives, air bags, automotive products, cable, circuit boards, coatings, composites, contaminants, fasteners, films, fluid, fuel, gaskets, labels, lubricants, metal, metal alloys, mirrors, oil, packaging, paint, petroleum products, pipe, plastic, platings, polymers, powder metal, rubber, sealants, solutions, tape and wire:

<u>Test Method</u>	<u>Test Description</u>
ASTM D92	Flash and Fire Points by Cleveland Open Cup Tester
ASTM D93	Flash Point by Pensky-Martens Closed Cup Tester
ASTM D297	Density of Rubber (Section 16.3)
ASTM D445	Kinematic Viscosity
ASTM D570	Water Absorption
ASTM D789	Solution Viscosity of Polyamide (Brookfield Method): Relative Viscosity, Degradation Level
ASTM D792	Density and Specific Gravity
ASTM D974	Acid and Base Number by Color Indicator Titration: Acid Number
ASTM D1238	Melt Flow Rate: Melt Index
ASTM D1475	Density of Liquid: Pycnometer Testing
ASTM D1505	Density by Density-Gradient
ASTM D1824	Apparent Viscosity: Rotational Viscosity, Brookfield Viscosity
ASTM D2584	Ignition Loss: Ash Content, Filler Content
ASTM D3418	Differential Scanning Calorimetry (DSC): Melting Point (T _m), Glass Transition (T _g), Heat of Fusion, Heat of Crystallization, Transition Temperatures, Heat of Transition
ASTM D4591	Differential Scanning Calorimetry of Fluoropolymers (DSC)
ASTM D5630	Ash Content (Method B): Filler Content
ASTM D6869	Moisture Content of Plastics by Karl Fischer Titration
ASTM E831	Thermomechanical Analysis (TMA): Thermal Expansion, CTE, CLTE
ASTM E1064	Water in Organic Liquids by Karl Fischer Titration
ASTM E1131	Thermogravimetric Analysis (TGA): Ash Content, Filler Content, Carbon Content, Volatility Studies
ASTM E1252	Infrared Spectra for Qualitative Analysis: FT Infrared Microscopy, IR Scan, FTIR Analysis, Organic Material Identification
ASTM E1545	Thermomechanical Analysis (TMA): Glass Transition (T _g)

<u>Test Method</u>	<u>Test Description</u>
EDS Manual	Energy Dispersive Spectroscopy (EDS): EDX, Elemental Scan, Micro Identification, Contaminant Identification
GC Manual	Gas Chromatography (GC): Mass Spectrometry (GC/MS), Identify and Quantify Components of Organic Mixtures, Flame Ionization (GC/FID), Quantify Components of Organic Mixtures
GDS Manual	Glow Discharge Spectrometry (GDS): Chemistry, Chemical Analysis, Metal Composition, Aluminum Alloys, Brass, Cast Irons, Copper Alloys, Iron Alloys, Nickel Alloys, Stainless Steel, Steel, Superalloys, Tool Steels, Welding Metals
ISO 62	Water Absorption
ISO 307	Viscosity Number of Polyamides: Dilute Solution Viscosity
ISO 1133	Melt Flow Rate: Melt Mass Flow Rate (MFR), Melt Volume Flow Rate (MVR)
ISO 1183-1, -2	Density and Specific Gravity
ISO 3451	Ash Content (Method A): Filler Content
ISO 11357	Differential Scanning Calorimeter (DSC)
ISO 11359	Thermomechanical Analysis (TMA)
SAE J1351	Odor Testing
XRF Manual	X-Ray Fluorescence (XRF): Chemical Analysis of Elements Na to U, Elemental Identification, Heavy Metals, Trace Elements, Restriction of Hazardous Substances (ROHS)

The laboratory is accredited for the test methods listed above. The accredited test methods are used in determining compliance with any material specifications included on this Scope; however, the inclusion of these material specifications on this Scope does not confer laboratory accreditation to the material specifications. Inclusion of these material specifications on this Scope also does not confer accreditation for every method embedded within the specification. Only the methods listed above on this Scope are accredited.

Also, client or custom specifications directly related to the testing technologies listed above.