



THE AMERICAN ASSOCIATION FOR
LABORATORY ACCREDITATION

ACCREDITED LABORATORY

A2LA has accredited

POLYMER DIAGNOSTICS INC.

Avon Lake, OH

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 18 June 2005*).



Presented this 29th day of January 2008.



President

For the Accreditation Council

Certificate Number 0514.01

Valid to February 28, 2010

REVISED January 29, 2010

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

POLYMER DIAGNOSTICS INC.
33587 Walker Road
Avon Lake, OH 44012
Robert A. Mansfield, Jr. Phone: 440 930 1720

MECHANICAL

Valid To: February 28, 2010

Certificate Number: 0514.01

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

<u>Test Description</u>	<u>Test Method or Standard</u>
Abrasion Resistance	ASTM D3389
Brittleness Temperature (Impact)	ASTM D746, D2137
Capillary Rheometry	ASTM D3835
Charpy Impact	ISO 179
Coefficient of Friction	ASTM D1894
Coefficient of Thermal Expansion	ASTM D696
Color Determination by Spectrophotometer	ASTM D2244, E1331
Compression Set	ASTM D395 (Method B)
Compressive Properties of Rigid Plastics	ASTM D695; ISO 604
Conditioning of Plastics for Testing	ASTM D618
DC Resistance or Conductance	ASTM D257
Deflection Temperature Under Flexural Load	ASTM D648; ISO 75
Dielectric Strength	ASTM D149
Durometer Hardness (Shore A and D)	ASTM D2240
Effect of Liquids	ASTM D471
Flexural Properties	ASTM D790; ISO 178
Flow Rate (Extrusion Plastometer)	ASTM D1238; ISO 1133
Fogging	SAE J1756; GM9305P
Fusion of PVC Compounds	ASTM D2538
Impact Resistance (Izod)	ASTM D256; ISO 180
Impact Resistance (Unnotched)	ASTM D4812
Impact Resistance (Tup)	ASTM D4226
Impact Resistance (Gardner)	ASTM D5420
Instrumented Impact	ASTM D3763; ISO 6603
Linear Dimensional Changes	ASTM D1042
Mandrel Bend	ASTM D2633 (Sec. 75); GM9503P
Poisson's Ratio	ASTM E132
QUV Testing	ASTM D4329, G154; ISO 4892-3, 9370
Resistance of Plastics to Chemical Reagents (Immersion Test)	ASTM D543 (Practice A)
Rockwell Hardness (R Scale, Procedure B)	ASTM D785; ISO 2039-2
Rubber Deterioration in an Air Oven	ASTM D573

Test Description

Test Method or Standard

Specific Gravity/Density	ASTM D792; ISO 1183
Specular Gloss	ASTM D523
Standard Test Methods for Thermoplastic Insulations and Jackets for Wire and Cable (Thermal Tests)	ASTM D2633 (Sec. 1-16, 72-77)
Tear Resistance	ASTM D624, D1004; ISO 34
Tensile Impact	ASTM D1822
Tensile Properties	ASTM D412 (Method A), D638, D882; ISO 37, 527
Vicat Softening Temperature	ASTM D1525; ISO 306
Volatile Loss	ASTM D1203
Water Absorption of Plastics	ASTM D570
Xenon-Arc Exposure Testing	ASTM D2565; SAE J1885, J1960, J2412, J2527