



World Class Accreditation

The American Association for Laboratory Accreditation

# *Accredited Laboratory*

A2LA has accredited

## **POLYMER DIAGNOSTICS INC.**

*Avon Lake, OH*

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 8 January 2009*).

Presented this 29<sup>th</sup> day of March 2010.



  
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Peter Meyer

President & CEO  
For the Accreditation Council  
Certificate Number 0514.02  
Valid to September 30, 2011

*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

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

CHEMICAL

Valid To: September 30, 2011

Certificate Number: 0514.02

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:

Test Description

Test Method or Standard

FTIR (Fourier Transform Infrared) Spectroscopy

ASTM D2124

Flammability

Horizontal Burn of Self-Supporting Plastics  
Horizontal Burn of Materials Used in Occupant  
Compartments of Motor Vehicles

ASTM D635; UL 94HB  
ASTM D5132; FMVSS 302 (49 CFR 571.302)

Vertical Burn, 20 mm  
Vertical Burn, 125 mm

ASTM D3801; UL 94V  
ASTM D5048; UL 945V

Oxygen Index  
FT1 Flame Test

ASTM D2863  
UL1581, clause 1060; UL2556/CSA C22.2  
No 2556, clause 9.3

Cable Flame Test  
VW1 Flame Test

UL1581, clause 1061  
UL1581, clause 1080; UL2556/CSA C22.2  
No 2556, clause 9.4

FT2/FH Flame Test

UL1581, clause 1100; UL2556/CSA C22.2  
No 2556, clause 9.1

FV-1 Flame Test

UL1581, clause 1060; UL2556/CSA C22.2  
No 2556, clause 9.5

VTM-0, VTM-1, VTM-2

UL-94, clause 11

Smoke Density  
Glow Wire Test

ASTM E662  
IEC 60695 2-10, 2-12, 2-13

High Performance Size Exclusion Chromatography

ASTM D5296

Plasticizer in Flexible PVC

PDI RPLC-01

Pyrolysis ID Rubbers

ASTM D3452; PDI GCMS-02

RVCM in PVC

ASTM D4443

Thermal Analysis

DSC (Differential Scanning Calorimetry)

ASTM D3418, E794, E1356

TGA (Thermogravimetric Analysis)

ASTM E1131

Karl Fischer Moisture Content

ASTM D6869

Test Description

Determination of Lead by ICP  
Phthalate Determination by CPSIA  
Particle Size Distribution by Laser Light Scattering

Test Method or Standard

16 CFR 1303 (Using ASTM E1613)  
CPSC-CH-C1001-09.2  
PDI-PSA-2, PDI-PSA-3