



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

POLYMER DIAGNOSTICS INC.  
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MECHANICAL

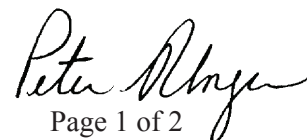
Valid To: September 30, 2017

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>
Brittleness Temperature (Impact)	ASTM D746, D2137
Charpy Impact	ISO 179-1
Coefficient of Thermal Expansion	ASTM D696
Color Determination by Spectrophotometer	ASTM D2244, E1331
Compression Set	ASTM D395 (Method B)
Compressive Properties	ASTM D695
Conditioning of Plastics for Testing	ASTM D618; ISO 291
DC Resistance or Conductance	ASTM D257
Deflection Temperature Under Flexural Load	ASTM D648; ISO 75-1, -2
Dielectric Constant	ASTM D150
Dielectric Strength	ASTM D149
Durometer Hardness (Shore A and D)	ASTM D2240
Flexural Properties	ASTM D790; ISO 178
Flow Rate (Extrusion Plastometer)	ASTM D1238; ISO 1133
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 6603-2
QUV Testing	ASTM D4329, G154; ISO 4892-3, 9370

(A2LA Cert. No. 0514.01) 12/11/2015

  
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<u>Test Description</u>	<u>Test Method or Standard</u>
Resistance of Plastics to Chemical Reagents (Immersion Test)	ASTM D543 (Practice A)
Rubber Deterioration in an Air Oven	ASTM D573
Specific Gravity/Density	ASTM D792 (Method A); ISO 1183-1
Specular Gloss	ASTM D523
Tear Resistance	ASTM D624, D1004; ISO 34
Tensile Impact	ASTM D1822
Tensile Properties	ASTM D412 (Method A), D638, D882; ISO 37, 527-1, -2, -3, -4, -5
Vicat Softening Temperature	ASTM D1525; ISO 306
Xenon-Arc Exposure Testing	ASTM D2565, G155; SAE J1885 (Withdrawn January 2008) <sup>1</sup> , J1960 (Withdrawn January 2008) <sup>1</sup> , J2412, J2527
<b>Wire and Cable</b>	
Tensile, Air Oven Accelerated Aging	UL 44 Table 11, UL 2556 Clause 4.2.3 – 4.2.6, 4.2.8.2
-40 °C Cold Impact Test	UL 44 Clause 5.11.2, UL 2556 Clause 7.7
Cold Bend	UL 44 Clause 5.11.1, UL 2556 Clause 7.6
Xenon-Arc Exposure Testing	UL 44 Clause 5.15, UL 2556 Clause 4.2.8.5.1
Oil Resistance I & II	UL 44 Clause 5.16.1/.2, UL 2556 Clause 4.2.8.3

<sup>1</sup> *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.*



## 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 8 January 2009).



Presented this 11<sup>th</sup> day of December 2015.

A handwritten signature in black ink, reading "Peter Abney".

President & CEO  
For the Accreditation Council  
Certificate Number 0514.01  
Valid to September 30, 2017

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