



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

POLYMER DIAGNOSTICS INC.
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Avon Lake, OH 44012
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MECHANICAL

Valid To: September 30, 2023

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; ISO 812
Charpy Impact	ISO 179-1
Coefficient of Thermal Expansion	ASTM D696
Color Determination by Spectrophotometer	ASTM D2244, E1331; ISO 7724
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 Strength	ASTM D149
Durometer Hardness (Shore A and D)	ASTM D2240; ISO 7619-1
Flexural Properties	ASTM D790; ISO 178
Flow Rate (Extrusion Plastometer)	ASTM D1238 (Procedures A and B); ISO 1133
Impact Resistance (Izod)	ASTM D256; ISO 180
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
Resistance of Plastics to Chemical Reagents (Immersion Test)	ASTM D543 (Practice A)
Specific Gravity/Density	ASTM D792 (Method A); ISO 1183-1
Specular Gloss	ASTM D523; ISO 2813
Tackiness of Interior Materials	BO 061-01
Tear Resistance	ASTM D624, D1004; ISO 34

Test Description

Tensile Impact

Tensile Properties

Vicat Softening Temperature

Xenon-Arc Exposure Testing

Test Method or Standard

ASTM D1822

ASTM D412 (Method A), D638, D882;
ISO 37, 527-1, -2, -3,-4, -5

ASTM D1525; ISO 306

ASTM D2565, G155;
SAE J1885 (Withdrawn January 2008)¹,
J1960 (Withdrawn January 2008)¹, J2412, J2527;
BO-116-01

¹ *This laboratory's scope contains withdrawn or superseded methods. As a clarifier, this indicates that the applicable method itself has been withdrawn or is now considered "historical" and not that the laboratory's accreditation for the method has been withdrawn.*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 17025:2017 *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 April 2017).



Presented this 22nd day of February 2022.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 0514.01
Valid to September 30, 2023

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