



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

DATAPOINTLABS LLC
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MECHANICAL

Valid To: February 28, 2025

Certificate Number: 1242.01

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

Test

Test Method

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| Impact Resistance of Notched Specimens of Plastics | ASTM D256 |
| Vulcanized Rubber & Thermoplastic Elastometers – Tension | ASTM D412 (Method A) |
| Rubber Properties in Compression | ASTM D575 (Method B) |
| Conditioning of Plastics for Testing | ASTM D618 |
| Tensile Properties of Plastics | ASTM D638 |
| Deflection Temperature of Plastics Under Flexural Load in the Edgewise Position (HDT) | ASTM D648 (Method A) |
| Compression Properties of Rigid Plastics | ASTM D695 |
| Flexural Properties of Unreinforced & Reinforced Plastics & Electrical Insulating Materials | ASTM D790 |
| Density & Specific Gravity (Relative Density) of Plastics by Displacement | ASTM D792 (Method A) |
| Vicat Softening Temperature of Plastics (VST) | ASTM D1525 |
| Environmental Stress-Cracking of Ethylene Plastics | ASTM D1693 |

| <u>Test</u> | <u>Test Method</u> |
|--|---------------------------|
| Tensile, Compressive, & Flexural Creep & Creep-Rupture of Plastics | ASTM D2990 |
| Heats of Fusion & Crystallization of Polymers by Differential Scanning Calorimetry (DSC) | ASTM D3417-99 (2004) |
| Transition Temperatures of Polymers by Differential Scanning Calorimetry (DSC) | ASTM D3418 |
| High Speed Puncture Properties of Plastics Using Load & Displacement Sensors | ASTM D3763 |
| Determination of Properties of Polymeric Materials by Means of a Capillary Rheometer | ASTM D3835 |
| Unnotched Cantilever Beam Impact Strength of Plastics | ASTM D4812 |
| Dynamic Mechanical Properties of Plastics in Torsion | ASTM D5279 |
| Thermal Conductivity of Plastics Using Line-Source Method | ASTM D5930 |
| Charpy Impact Resistance of Notched Specimens of Plastics | ASTM D6110 |
| Standard Test Methods for Tension Testing of Metallic Materials | ASTM E8/E8M |
| Standard Test Methods for Determining Average Grain Size | ASTM E112 |
| Standard Test Methods for Analysis of Aluminum and Aluminum Alloys by Spark Atomic Emission Spectrometry | ASTM E1251 |
| Coefficient of Linear Thermal Expansion of Solid Materials by Thermomechanical Analysis | ASTM E831 |
| Rubber – Determination of Tensile Stress-Strain Properties | ISO 37 |
| Determination of Temperature of Deflection Under Load (HDT) | ISO 75 |
| Plastics – Determination of Flexural Properties | ISO 178 |
| Plastics – Charpy Impact Properties – Non-Instrumented | ISO 179-1 |
| Plastics – Izod Impact Strength | ISO 180 |
| Plastics – Determination of Vicat Softening Temperature (VST) | ISO 306 |
| Plastics – Determination of Tensile Properties | ISO 527 |
| Plastics – Determination of Compressive Properties | ISO 604 |
| Plastics – Determination of Creep Behaviour – Part 1: Tensile Creep | ISO 899-1 |

Test

Test Method

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| Density & Specific Gravity of Non-Cellular Plastics | ISO 1183-1 (Method A) |
| High Speed Puncture | ISO 6603-2 |
| Plastics – Determination of Dynamic Mechanical Properties | ISO 6721-7 |
| Plastics – Differential Scanning Calorimetry (DSC) – Determination of Glass Transition Temperature | ISO 11357-2 |
| Plastics – Differential Scanning Calorimetry (DSC) – Determination of Temperature & Enthalpy of Melting & Crystallization | ISO 11357-3 |
| Plastics – Thermomechanical Analysis (TMA) – Part 2: Determination of Coefficient of Linear Thermal Expansion & Glass Transition Temperature | ISO 11359-2 |
| Plastics – Determination of the Fluidity of Plastics using Capillary & Slit-Die Rheometer | ISO 11443 (Method A) |
| Melting Point by Differential Scanning Calorimeter | GM 9094P (2011) |
| Multi-Axial Impact | GM 9904P (2011) |



Accredited Laboratory

A2LA has accredited

DATAPOINTLABS LLC

Ithaca, NY

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 24th day of February 2023.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1242.01
Valid to February 28, 2025
Revised February 12, 2024

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