



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

DUPONT WASHINGTON WORKS ENGINEERING POLYMERS LABORATORY
E.I. DuPont Washington Works Laboratory Network B3
8480 Dupont Road
Washington, WV 26181-1217
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MECHANICAL

Valid To: December 31, 2016

Certificate Number: 0795.01

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

Test:

Test Method(s):

Tensile Properties ¹

ASTM D638 (Except A.3);
ISO 527-1, -2 (Except 4.7)

Tear Strength ¹

ISO 34-1 Method B

Flexural Properties ¹

ASTM D790;
ISO 178

Hardness (R, M, L) ¹

ASTM D785 Procedure A;
ISO 2039-2

Shore Hardness A and D ¹

ISO 868

Charpy Impact ¹

ISO 179

Izod Impact ¹

ASTM D256A, D4812; ISO 180-1

High Speed Puncture Properties Using Load and Displacement Sensors ¹

ASTM D3763

Properties of Polymeric Materials by Capillary Rheometer ^{3, 4, 5, 7}

ISO 11443

Deflection Temperature Under Flexural Load ¹

ASTM D648 Method B;
ISO 75

| <u>Test:</u> | <u>Test Method(s):</u> |
|--|--|
| Transition Temperatures by DSC ¹ | ASTM D3418; ISO 11357-1, -2, -3 |
| Melt Flow Rates by Extrusion Plastometer ^{1,2} | ASTM D1238; ISO 1133 |
| Vicat Softening Temperature ¹ | ISO 306 |
| Standard Specific Gravity (Relative Density) and Density ¹ | ASTM D792, ISO 1183-1 Method A |
| Accelerated Weather Resistance ¹ | SAE J2412, J2527 |
| Flammability / Burning Rate ¹ | FMVSS 302; ISO 3795 |
| Ash Content ^{1,3, 4, 5,7} | ASTM D5630 Method B; ISO 3451-1 Method A |
| Water Absorption ¹ | ASTM D570; ISO 62 Methods 1 and 2 |
| Yellowness Index of Plastics ^{1,2,3,4,5,6,7} | ASTM D1925-70 (1988) Withdrawn 1995 ⁸ , E313 |
| Mold Shrinkage ¹ | ISO 294-4 |
| Conditioning of Plastics ¹ | ASTM D618; ISO 291 |
| Heat Aging ¹ | ISO 188 Method B |

Testing is performed at the facility located at 8480 DuPont Road Washington, WV 26181 in the following buildings:

- ¹ B3 EP Lab
- ² B200 EP Lab-Delrin[®]
- ³ B280 EPE
- ⁴ B293 SCD
- ⁵ B256 EPE
- ⁶ B153 EPE
- ⁷ B22 Research

⁸ This laboratory's scope contains withdrawn or superseded methods. As a clarifier, this indicates that the applicable method itself has been withdrawn or is now considered "historical" and not that the laboratory's accreditation for the method has been withdrawn.





American Association for Laboratory Accreditation

Accredited Laboratory

A2LA has accredited

DUPONT WASHINGTON WORKS ENGINEERING POLYMERS LABORATORY

Washington, WV

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 10th day of November 2014.



President & CEO

For the Accreditation Council
Certificate Number 0795.01
Valid to December 31, 2016

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