



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

HUNTSMAN POLYURETHANES  
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MECHANICAL

Valid To: June 30, 2020

Certificate Number: 0290.04

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on flexible, semi-flexible, and rigid cellular plastics and elastomeric materials, reinforced and non-reinforced elastomeric materials, reinforced and non-reinforced plastics:

| <u>Tests:</u>                       | <u>Test Methods:</u>   |
|-------------------------------------|--|
| Compression                         | ASTM D695, D3574 (Tests B1, B2, C and D); ISO 1856, ISO 3386-1; Satra TM 64-VW PV3919; FORD BN115-07 |
| Constant Force Pounding             | ASTM D3574 (Test I-3)  |
| Durometer Hardness (Shore A, D, OO) | ASTM D2240   |
| Impact                              | ASTM D256, D3763   |
| Tensile                             | ASTM D638, D412 (Method A), D882, D3574 (Test E); ISO 5271-4, ISO 1798                               |

***Material Properties:***

|  |  |
|--|--|
| Density                                  | ASTM D3574 (Test A), D792, D297 (Section 16.3); ISO 845  |
| Density of Non-Cellular Plastics         | ISO 1183 Part 1 (Method A)                               |
| Determination of Ash                     | ASTM D1278 (Section 14-17), D2584; ISO 3451-1 (Method A) |
| Durability                               | ASTM D3574 (Test I-2)                                    |
| Flexural (Sub-Ambient and Elevated Temp) | ASTM D790, D1052; ISO 178                                |

Tests:

Flammability

Water Absorption

Resilience

Hysteresis Loss of Foam

Tear

Vicat Softening

Deflection Temp Under Load

Rubber Property-Effect of Liquids

Tear Resistance

Shear Strength of Plastics by Punch Tool

Hot Odor Test for Insulation

Short Beam Shear

Fogging Test

***Other:***

Aging

Cigarette Smoldering Screening Test

Conditioning

Staining Test

Mildew Resistance

Test Methods:

FMVSS 302; ISO 3795; SAE J369;  
FORD BN024-2; UL 94 HB, HBF, 20mm VBT;  
DBL 5307; GMW3232; GB 8410

ASTM D570

ASTM D3574 (Test H)

ASTM D3574 (Test N)

ASTM D624, D1938, D3574 (Test F); ISO 8067,  
ISO 4674-1

ASTM D1525

ASTM D648 (Method B)

ASTM D471

ASTM D1004

ASTM D732

SAE J1351; GMW3205

ASTM D2344

SAE J1756; GMW3235; DIN 75201

ASTM D3574 (Test J and K); ISO 2440

CAL TB 117:2013 (Section 3)

ASTM D618

Ford WSS M15P20-B1/B2 (Test 3.3.13)<sup>1</sup>

GMW3259





## *Accredited Laboratory*

A2LA has accredited

### **HUNTSMAN POLYURETHANES**

*Auburn Hills, MI*

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 April 2017).



Presented this 5<sup>th</sup> day of September 2018.

A handwritten signature in black ink, written over a horizontal line.

President and CEO  
For the Accreditation Council  
Certificate Number 0290.04  
Valid to June 30, 2020

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