



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EQUISTAR CHEMICALS L.P.  
A LyondellBasell Company  
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Cincinnati, OH 45249  
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MECHANICAL

Valid To: July 31, 2023

Certificate Number: 3132.01

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

**Test**

**Test Method**

Tensile Properties of Plastics	ASTM D638; ISO 527-1,2
Deflection Temperature of Plastics Under Flexural Load in the Edgewise Position	ASTM D648, Method B
Determination of Temperature of Deflection Under Load	ISO 75-1, -2
Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials	ASTM D790; ISO 178
High Speed Puncture Properties of Plastics Using Load and Displacement Sensors	ASTM D3763
Determining the Izod Impact Strength	ASTM D256, Method A; ISO 180/A
Determination of Charpy Impact Strength	ISO 179
Determination of Melt Flow Rate and Melt Volume Flow Rate	ASTM D1238; ISO 1133-1
Determination of Density by Immersion Method	ISO 1183-1, Method A
Determination of Mold Shrinkage	ISO 294-4, LYB Method
Determination of Burning Behavior of Interior Materials for Road Vehicles and Tractors and Machinery for Agriculture and Forestry	ISO 3795
Determination of Puncture Impact Behavior of Rigid Plastics	ISO 6603-2

**Test**

**Test Method**

Standard Test Method for Notch Tensile Test to Measure the Resistance to Slow Crack Growth of Polyethylene Pipes and Resins

ASTM F1473

Determination of Resistance to Rapid Crack Propagation-Small Scale Steady State Test (S4 Test)

ISO 13477

Standard Test Method for Time-to-Failure of Plastic Pipe Under Constant Internal Pressure

ASTM D1598

Strain Hardening

ISO 18488



## Accredited Laboratory

A2LA has accredited

### **EQUISTAR CHEMICALS L.P. A LYONDELLBASELL COMPANY**

*Cincinnati, 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 24<sup>th</sup> day of June 2021.

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

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 3132.01  
Valid to July 31, 2023

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