



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, 2025

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 15th day of September 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 3132.01
Valid to July 31, 2025

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