

Paxon™ AL55-003

High Density Polyethylene Resin

Product Description

AL55-003 is a blow molding grade high density polyethylene offering a good combination of stiffness and stress crack resistance.

General

Availability ¹	▪ Latin America	▪ North America
Additive	▪ Thermal Stabilizer: Yes	▪ Antistatic: No
Applications	▪ Drainage Pipes ▪ Food Packaging	▪ Household and Industrial chemical containers ▪ Pharmaceutical Packaging ▪ Thermoformed Parts ▪ Thin Gauge Sheet
Revision Date	▪ 03/01/2010	

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.954 g/cm ³	0.954 g/cm ³	ASTM D4883
Melt Index (190°C/2.16 kg)	0.30 g/10 min	0.30 g/10 min	ASTM D1238

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Brittleness Temperature	< -105 °F	< -76 °C	ASTM D746
Vicat Softening Temperature	261 °F	127 °C	ASTM D1525

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield	4100 psi	28 MPa	ASTM D638
Flexural Modulus	190000 psi	1300 MPa	ASTM D790
Environmental Stress-Crack Resistance 100% Igepal	30 hr	30 hr	ASTM D1693

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Impact Strength	90 ft·lb/in ²	190 kJ/m ²	ASTM D1822

Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

This product is not intended for use in medical applications and should not be used in any such applications.

Processing Statement

1. Values may change with future development. 2. All molded properties were measured on compression molded plaques. 3. Flexural modulus tested using Procedure A (1"x3"x0.125"), tangent calculation. 4. ESCR tested using Condition B, 100% Igepal. 5. AL55-003 has NSF and UL recognition. Contact your ExxonMobil Chemical representative for details. 6. AL55-003 has US Pharmacopoeia & European Pharmaceutical recognition.

Notes

Typical properties: these are not to be construed as specifications.

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

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