

Paxon™ AA48-002

High Density Polyethylene Resin

Product Description

AA48-002 is a blow molding grade high density polyethylene copolymer containing an antistatic additive. It provides a very good balance of stress crack resistance, stiffness and impact strength.

General

Additive	- Thermal Stabilizer: Yes - Antistatic: Yes
Applications	- Agriculture Products Containers - Food Packaging - Household and Industrial chemical containers - Pharmaceutical Packaging - Thin Gauge Sheet

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.948 g/cm ³	0.948 g/cm ³	ASTM D4883
Melt Index (190°C/2.16 kg)	0.22 g/10 min	0.22 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	252 °F	122 °C	ASTM D1525

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield	3800 psi	26 MPa	ASTM D638
Flexural Modulus	180000 psi	1200 MPa	ASTM D790
Environmental Stress-Crack Resistance 100% Igepal	> 200 hr	> 200 hr	ASTM D1693

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Impact Strength	110 ft-lb/in ²	220 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 are typical and should not be interpreted as specifications. 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.

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.