

Paxon™ AA60-003

High Density Polyethylene Resin

Product Description

AA60-003 is a medium molecular weight distribution high density polyethylene which is characterized by high stiffness, excellent melt uniformity, and chemical inertness.

General

Additive	- Thermal Stabilizer: Yes - Antistatic: No
Applications	- Food Packaging - Liquid Food Containers for Milk, Water and Juices - Thermoformed Parts - Thin Gauge Sheet

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.963 g/cm ³	0.963 g/cm ³	ASTM D4883
Melt Index (190°C/2.16 kg)	0.25 g/10 min	0.25 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	4500 psi	31 MPa	ASTM D638
Flexural Modulus	230000 psi	1600 MPa	ASTM D790
Environmental Stress-Crack Resistance 100% Igepal	20 hr	20 hr	ASTM D1693

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Impact Strength	70 ft-lb/in ²	150 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. 5. AA60-003 has NSF and UL recognition. Contact your ExxonMobil Chemical representative for details.

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.