ExxonMobil

Paxon™ AA45-004

High Density Polyethylene Resin

Product Description

Paxon™ AA45-004 is a blow molding high density polyethylene copolymer offering exceptional stress cracking resistance and impact performance.

General

Availability [1]	▪ Africa & Middle East ▪ Europe	▪ Latin America ▪ North America
Additive	▪ Thermal Stabilizer: Yes	▪ Antistatic: No
Applications	▪ Agriculture Products Containers ▪ Food Packaging	▪ Household and Industrial chemical containers ▪ Pharmaceutical Packaging
Form(s)	▪ Pellets	
Revision Date	▪ 09/26/2022	

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.945	g/cm³	0.945	g/cm³	ASTM D4883
Melt Index (190°C/2.16 kg)	0.35	g/10 min	0.35	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	250	°F	121	°C	ASTM D1525

Molded Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Yield	3500	psi	24	MPa	ASTM D638
Flexural Modulus	150000	psi	1000	MPa	ASTM D790
Environmental Stress-Crack Resistance					ASTM D1693
100% Igepal	> 1000	hr	> 1000	hr	

Impact	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Impact Strength	110	ft·lb/in²	230	kJ/m²	ASTM D1822

Additional Information

AA45-004 is NSF® -51 Certified and UL recognized.

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.

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For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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