ExxonMobil

Paxon™ BZ45-060

High Density Polyethylene Resin

Product Description

Paxon™ BZ45-060 is a high molecular weight high density polyethylene copolymer which contains an UV inhibitor. It provides a combination of excellent processability, outstanding melt strength, high impact strength, chemical resistance and high stress cracking resistance.

General

Availability [1]	• Latin America	• North America
Additive	• UV Stabilizer	
Applications	• Intermediate Bulk Containers	
Revision Date	• 03/01/2019	

Resin Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Density	0.946	g/cm³	0.946	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	< 0.10	g/10 min	< 0.10	g/10 min	ASTM D1238
High Load Melt Index (190°C/21.6 kg)	6.3	g/10 min	6.3	g/10 min	ASTM D1238

Thermal	Typical Value	(English)	Typical Value	(SI)	Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	148	°F	65	°C	ASTM D648

Molded Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Tensile Strength at Yield	3500	psi	24	MPa	ASTM D638
Flexural Modulus - 1% Secant (0.050 in/min (1.3 mm/min))	120000	psi	820	MPa	ASTM D790
Environmental Stress-Crack Resistance					ASTM D1693
100% Igepal	> 1000	hr	> 1000	hr	
Durometer Hardness (Shore D, 15 sec)	53		53		ASTM D2240

Impact	Typical Value	(English)	Typical Value	(SI)	Test Based On
Charpy Notched Impact Strength					ISO 179/1eA
-4°F (-20°C)	8.9	ft·lb/in²	19	kJ/m²	
73°F (23°C)	12	ft·lb/in²	25	kJ/m²	

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.

This product is not intended for use in fuel systems utilizing biodiesel.

Processing Statement

The molded specimens were prepared using ASTM D4703, Procedure C. 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.