ExxonMobil

Paxon™ BU46-060
High Density Polyethylene Resin

Product Description

BU46-060 is a high molecular weight high density polyethylene copolymer which contains a UV inhibitor. It possesses a combination of excellent processability, outstanding melt strength, high impact strength, chemical resistance and high stress cracking resistance. It is often used in coex applications.

General

Availability [1]	▪ Latin America	▪ North America
Applications	▪ Intermediate Bulk Containers	
Revision Date	▪ 03/01/2010	

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)	< 0.10	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
Brittleness Temperature	< -105	°F	< -76	°C	ASTM D746
Vicat Softening Temperature	255	°F	124	°C	ASTM D1525

Molded Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Tensile Strength at Yield	3300	psi	23	MPa	ASTM D638
Flexural Modulus	150000	psi	1000	MPa	ASTM D790
Environmental Stress-Crack Resistance					ASTM D1693
100% Igepal	> 1000	hr	> 1000	hr	

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

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.

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.