

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					
Applications	Intermediate Bulk Containers				
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	



