

Paxon™ BU46-060

High Density Polyethylene Resin

ExxonMobil Chemical

Message:

BU46-060 is a high molecular weight high density polyethylene copolymer, which contains an anti-ultraviolet agent. It has good processability, excellent melting strength, high impact strength, chemical resistance and high stress cracking resistance. It is often used for co-extrusion purposes.

General Information			
Physical	Nominal Value	Unit	Test Method
Density	0.945	g/cm ³	ASTM D4883
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	< 0.10	g/10 min	ASTM D1238
190°C/21.6 kg	6.3	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal)	> 1000	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	23.0	MPa	ASTM D638
Flexural Modulus	1000	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	124	°C	ASTM D1525
Legal statement			

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