

Paxon™ BA50-100

High Density Polyethylene Resin

ExxonMobil Chemical

Message:

BA50-100 is a high molecular weight high density polyethylene copolymer. The resin has excellent stress cracking resistance, high impact strength and good hardness.

General Information			
UL YellowCard	E124498-221666	E124498-221667	
Additive	heat stabilizer		
Physical	Nominal Value	Unit	Test Method
Density	0.949	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	10	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal)	> 800	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	26.0	MPa	ASTM D638
Flexural Modulus	1240	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength (23°C)	252	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	120	°C	ASTM D1525
Legal statement			

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