

ExxonMobil Paxon™ BA46-055 Blow Molding Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Blow Molding Grade

Material Notes:

Product Description: BA46-055 is a high molecular weight high density polyethylene copolymer. 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.
Availability: Latin America, North America and South America
Additive: Thermal Stabilizer: Yes
Antistatic: No
Applications: Automotive Fuel Tanks Compression Moldings Drums Food packaging Heavy Gauge Sheet Intermediate Bulk Containers Large Part Blow Molding Portable Fuel Tanks Small Engine Fuel Tanks Thermoformed Parts
 Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Paxon-BA46-055-Blow-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.946 g/cc	0.0342 lb/in ³	ASTM D4883
ESCR 100% Igepal®	>= 1000 hour	>= 1000 hour	ASTM D1693 Condition B
Melt Flow	5.5 g/10 min	5.5 g/10 min	190 / 21.6 (HLMI); ASTM D1238
	<= 0.10 g/10 min	<= 0.10 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.1 MPa	3500 psi	ASTM D638
Elongation at Break	1100 %	1100 %	ASTM D638
Flexural Modulus	1.03 GPa	150 ksi	Method1, Procedure A (1"x3"x0.125"), Tangent calculation; ASTM D790
Tensile Impact Strength	420 kJ/m ²	200 ft-lb/in ²	ASTM D1822

Thermal Properties	Metric	English	Comments
Vicat Softening Point	127 °C	260 °F	ASTM D1525
Brittleness Temperature	<= -76.1 °C	<= -105 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	204 °C	400 °F	

Descriptive Properties	Value	Comments
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Features Descriptive Properties	Thermal Stabilizer Value	Comments
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