

ExxonMobil Paxon™ BA53-035 Blow Molding Resin (discontinued **)

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

Material Notes:

BA53-035 is a high molecular weight, high density polyethylene copolymer offering an outstanding combination of stiffness and toughness. The resin provides superior melt strength and impact resistance. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Paxon-BA53-035-Blow-Molding-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.953 g/cc	0.0344 lb/in ³	ASTM D4883
ESCR 100% Igepal®	600 hour	600 hour	ASTM D1693 Condition B
Melt Flow	3.5 g/10 min	3.5 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	29.0 MPa	4200 psi	ASTM D638
Elongation at Break	1200 %	1200 %	ASTM D638
Flexural Modulus	1.38 GPa	200 ksi	Method 1, Procedure A (1"x3"x0.125"), Tangent calculation; ASTM D790
Tensile Impact Strength	567 kJ/m ²	270 ft-lb/in ²	ASTM D1822
	399 kJ/m ²	190 ft-lb/in ²	ASTM D1822
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	120 µm/m-°C	66.7 µin/in-°F	ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	77.0 °C	171 °F	ASTM D648
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 Processing Properties	191 °C Metric	375 °F English	Comments
Descriptive Properties	Value		Comments
Features	Thermal Stabilizer		

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China