

## ExxonMobil Paxon™ BA50-120 High Density Polyethylene Resin

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

### Material Notes:

**Product Description:** BA50-120 is a high molecular weight, high density polyethylene copolymer. This resin has superior stress crack resistance, high impact strength and good rigidity.  
**Availability:** Latin America, North America and South America  
**Additive:** Thermal Stabilizer: Yes  
**Antistatic:** No  
**Applications:** Agriculture ProductsAutomotive FittingsAutomotive Fuel Tanks DrumsFood packagingHeavy Gauge Sheet Large Part Blow MoldingPalletsPortable Fuel TanksSmall Engine Fuel Tanks Thermoformed Parts  
 Information provided by ExxonMobil Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Paxon-BA50-120-High-Density-Polyethylene-Resin.php](http://www.lookpolymers.com/polymer_ExxonMobil-Paxon-BA50-120-High-Density-Polyethylene-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.951 g/cc	0.0344 lb/in <sup>3</sup>	ASTM D4883
ESCR 100% Igepal®	>= 800 hour	>= 800 hour	ASTM D1693 Condition B
Melt Flow	11 g/10 min	11 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	25.5 MPa	3700 psi	ASTM D638
Elongation at Break	1100 %	1100 %	ASTM D638
Flexural Modulus	1.17 GPa	170 ksi	Method1, Procedure A (1"x3"x0.125"), Tangent calculation; ASTM D790
Tensile Impact Strength	210 kJ/m <sup>2</sup>	100 ft-lb/in <sup>2</sup>	ASTM D1822

Thermal Properties	Metric	English	Comments
Vicat Softening Point	126 °C	259 °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
Features	Thermal Stabilizer	

## **Contact Songhan Plastic Technology Co.,Ltd.**

**Website : [www.lookpolymers.com](http://www.lookpolymers.com)**

**Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)**

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215,Fengxian District, Shanghai City,China**