

Polimeri Europa Eraclene® BC 86 High Density Polyethylene - Blow Molding

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

Material Notes:

Eraclene BC 86 is a high density polyethylene resin (HDPE) with antioxidants, suitable for blow molding application. It is especially recommended for the production of containers up to 20 liters. Eraclene BC 86 combines a excellent stress cracking resistance with a good rigidity and high impact strength. This resin is characterized by a broad molecular weight distribution which balances overall performances with ease of processing. Main Applications: Eraclene BC 86 is used to produce blow molded containers to package household and industrial chemicals (detergents, perfumed bleaches, softener), cosmetics (shampoos, creams, lotions, etc), health and medical aids, fertilizers, adhesives and pesticides. Eraclene BC 86 can be extruded into profiles and sheets. Information provided by Polimeri Europa.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-Eraclene-BC-86-High-Density-Polyethylene-Blow-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.953 g/cc	0.953 g/cc	ISO 1183
Environmental Stress Crack Resistance	>= 500 hour	>= 500 hour	ISO 22088
Melt Flow	0.20 g/10 min	0.20 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	0.80 g/10 min	0.80 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 190 °C	@Load 11.0 lb, Temperature 374 °F	
	21 g/10 min	21 g/10 min	ISO 1133
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	ISO 868/A
Tensile Strength at Break	30.0 MPa	4350 psi	ISO 527
Tensile Strength, Yield	27.0 MPa	3920 psi	ISO 527
Elongation at Break	>= 600 %	>= 600 %	ISO 527
Flexural Modulus	1.20 GPa	174 ksi	ISO 178
Izod Impact, Notched	1.80 J/cm	3.37 ft-lb/in	ISO 180/A

Thermal Properties	Metric	English	Comments
Melting Point			Internal method

Thermal Properties	135 °C Metric	275 °F English	Comments
Vicat Softening Point	125 °C @Load 1.00 kg	257 °F @Load 2.20 lb	ISO 306/A
Brittleness Temperature	<= -60.0 °C	<= -76.0 °F	ASTM D746

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