

## Polimeri Europa Eraclene® BC 82 High Density Polyethylene - Blow Molding

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

### Material Notes:

Eraclene BC 82 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 82 combines a good stress cracking resistance with a good rigidity and impact strength. This resin exhibits a high melt strength together with moderate swelling. Eraclene BC 82 is characterized by an intermediate molecular weight distribution which balances overall performances with ease of processing. Main Applications: Eraclene BC 82 is used to produce, with high-speed machines, blow molded containers for household and industrial chemicals (detergents, bleaches, etc), cosmetics (shampoos, creams, lotions, etc), health and medical aids. Eraclene BC 82 is suitable for thin wall items and 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-82-High-Density-Polyethylene-Blow-Molding.php](http://www.lookpolymers.com/polymer_Polimeri-Europa-Eraclene-BC-82-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	>= 60 hour	>= 60 hour	ISO 22088
Melt Flow	0.25 g/10 min	0.25 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	0.90 g/10 min	0.90 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 190 °C	@Load 11.0 lb, Temperature 374 °F	
	23 g/10 min	23 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	135 °C	275 °F	Internal method
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](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