

Polimeri Europa Eraclene® FC 82 High Density Polyethylene - Blown Film Extrusion

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

Material Notes:

Eraclene FC 82 is a high density polyethylene resin (HDPE), hexene copolymer, with antioxidants, suitable for blown film extrusion. Its broad molecular weight distribution and density successfully combine excellent performance at high extrusion rates with high film strength. Main Applications: Films produced with Eraclene FC 82 are recommended for high strength grocery sacks, shopping bags, notion and millinery bags. The excellent balance between drawability and bubble stability make Eraclene FC 82 perfect for manufacturing of high strength thin films (shopping bags, bags on the reel, lamination film). Information provided by Polimeri Europa.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-Eraclene-FC-82-High-Density-Polyethylene-Blown-Film-Extrusion.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.953 g/cc	0.953 g/cc	ISO 1183
Thickness	10.0 - 50.0 microns	0.394 - 1.97 mil	Recommended
Melt Flow	0.30 g/10 min	0.30 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 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
Film Elongation at Break, MD	500 %	500 %	ISO 527-3
Film Elongation at Break, TD	650 %	650 %	ISO 527-3
Elmendorf Tear Strength, MD	1.019 g/micron	25.88 g/mil	ISO 6383-2
Elmendorf Tear Strength, TD	2.5475 g/micron	64.706 g/mil	ISO 6383-2
Dart Drop Test	70.0 g	0.154 lb	F50; ISO 7765-1
Film Tensile Strength at Break, MD	50.0 MPa	7250 psi	ISO 527-3
Film Tensile Strength at Break, TD	45.0 MPa	6530 psi	ISO 527-3
1% Secant Modulus, MD	650 MPa	94300 psi	ISO 527-3
1% Secant Modulus, TD	800 MPa	116000 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
--------------------	--------	---------	----------

Thermal Properties	Metric	English	Comments
Vicat Softening Point	127 °C	261 °F	ISO 306/A
	@Load 1.00 kg	@Load 2.20 lb	
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