

Polimeri Europa Clearflex® FF 106 Hexene Copolymer Linear Low Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE)/Hexene, Film Grade

Material Notes:

Clearflex FF 106 is a hexene copolymer linear low density polyethylene (C6-LLDPE), with antioxidants, suitable for blown film extrusion. Films manufactured with Clearflex FF 106 are characterized by high optical properties (haze, gloss), optimum impact, tear and puncture resistance. Main Applications: Clearflex FF 106 is recommended for the production of blown stretch film, low gauge agricultural film, in coextrusion or blending with LDPE. Because of its excellent bubble stability, Clearflex FF 106 is the ideal choice for the production of low gauge film where high mechanical properties are required. Information provided by Polimeri Europa.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-Clearflex-FF-106-Hexene-Copolymer-Linear-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.918 g/cc	0.918 g/cc	ISO 1183
Thickness	10.0 - 50.0 microns	0.394 - 1.97 mil	Recommended
Melt Flow	0.60 g/10 min @Load 2.16 kg, Temperature 190 °C	0.60 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	9.00 MPa	1310 psi	ISO 527-3
Film Tensile Strength at Yield, TD	10.0 MPa	1450 psi	ISO 527-3
Film Elongation at Break, MD	550 %	550 %	ISO 527-3
Film Elongation at Break, TD	700 %	700 %	ISO 527-3
Coefficient of Friction, Dynamic	>= 0.50	>= 0.50	ISO 8295
Elmendorf Tear Strength, MD	15.285 g/micron	388.24 g/mil	ISO 6383-2
Elmendorf Tear Strength, TD	25.475 g/micron	647.07 g/mil	ISO 6383-2
Dart Drop Test	190 g	0.419 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	180 MPa	26100 psi	ISO 527-3
1% Secant Modulus, TD	190 MPa	27600 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
Melting Point	125 °C	257 °F	Internal method
Vicat Softening Point	103 °C @Load 1.00 kg	217 °F @Load 2.20 lb	ISO 306/A
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D746

Optical Properties	Metric	English	Comments
Haze	8.0 %	8.0 %	ISO 14782
Gloss	65 %	65 %	45°; ASTM D2457
Transmission, Visible	90 %	90 %	clear; thickness not quantified

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