

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

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

Material Notes:

Clearflex CL 106 is a hexene copolymer linear low density polyethylene (C6-LLDPE), with antioxidants, suitable for cast film extrusion. Films manufactured with Clearflex CL 106 are characterized by high clarity, optimum elongation at break and optimum impact and tear resistance. Main Applications: Clearflex CL 106 is recommended for the production of low cling cast film with high optical properties and good mechanical resistance. It is ideal for the production of power stretch film characterized by a medium pre-stretch. Information provided by Polimeri Europa.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Specific Gravity	0.920 g/cc	0.920 g/cc	ISO 1183
Thickness	8.00 - 50.0 microns	0.315 - 1.97 mil	Recommended
Melt Flow	3.2 g/10 min @Load 2.16 kg, Temperature 190 °C	3.2 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	10.0 MPa	1450 psi	ISO 527-3
Film Tensile Strength at Yield, TD	10.0 MPa	1450 psi	ISO 527-3
Film Elongation at Break, MD	500 %	500 %	ISO 527-3
Film Elongation at Break, TD	800 %	800 %	ISO 527-3
Coefficient of Friction, Dynamic	>= 0.50	>= 0.50	ISO 8295
Elmendorf Tear Strength, MD	12.228 g/micron	310.59 g/mil	ISO 6383-2
Elmendorf Tear Strength, TD	23.437 g/micron	595.30 g/mil	ISO 6383-2
Dart Drop Test	120 g	0.265 lb	F50; ISO 7765-1
Film Tensile Strength at Break, MD	38.0 MPa	5510 psi	ISO 527-3
Film Tensile Strength at Break, TD	29.0 MPa	4210 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	97.0 °C @Load 1.00 kg	207 °F @Load 2.20 lb	ISO 306/A
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D746

Optical Properties	Metric	English	Comments
Haze	2.5 %	2.5 %	ISO 14782
Gloss	90 %	90 %	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