

Polimeri Europa Clearflex® CL 508 Octene Copolymer Linear Medium Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , MDPE , Linear Medium Density Polyethylene (LMDPE), Film

Material Notes:

Clearflex CL 508 is an octene copolymer linear medium density polyethylene (C8-LMDPE), with antioxidants, suitable for cast film extrusion. Films manufactured with Clearflex CL 508 exhibit a good balance between rigidity and stretchability. Main Applications: Clearflex CL 508 is recommended for the production of film characterized by optimum mechanical resistance and high rigidity (hygienic films). Its high Vicat softening point makes Clearflex CL 508 the ideal choice for the production of films for food which are submitted to pasteurization or sterilization processes. Moreover, Clearflex CL 508 can be used, for its slip-cling properties, as external layer in coextrusion structures. Information provided by Polimeri Europa.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-Clearflex-CL-508-Octene-Copolymer-Linear-Medium-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.935 g/cc	0.935 g/cc	ISO 1183
Thickness	8.00 - 50.0 microns	0.315 - 1.97 mil	Recommended
Melt Flow	2.7 g/10 min @Load 2.16 kg, Temperature 190 °C	2.7 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	16.0 MPa	2320 psi	ISO 527-3
Film Tensile Strength at Yield, TD	17.0 MPa	2470 psi	ISO 527-3
Film Elongation at Break, MD	660 %	660 %	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	2.038 g/micron	51.77 g/mil	ISO 6383-2
Elmendorf Tear Strength, TD	8.152 g/micron	207.1 g/mil	ISO 6383-2
Dart Drop Test	40.0 g	0.0882 lb	F50; ISO 7765-1
Film Tensile Strength at Break, MD	35.0 MPa	5080 psi	ISO 527-3
Film Tensile Strength at Break, TD	30.0 MPa	4350 psi	ISO 527-3
1% Secant Modulus, MD	300 MPa	43500 psi	ISO 527-3
1% Secant Modulus, TD	330 MPa	47900 psi	ISO 527-3

Mechanical Properties	Metric	English	Comments
Thermal Properties	Metric	English	Comments
Melting Point	128 °C	262 °F	Internal method
Vicat Softening Point	118 °C @Load 1.00 kg	244 °F @Load 2.20 lb	ISO 306/A
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D746

Optical Properties	Metric	English	Comments
Haze	3.5 %	3.5 %	ISO 14782
Gloss	84 %	84 %	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