

## Polimeri Europa Clearflex® FF 508 Octene Copolymer Linear Medium Density Polyethylene

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

### Material Notes:

Clearflex FF 508 is an octene copolymer linear medium density polyethylene (C8-LMDPE), with antioxidants and processing aid, suitable for blown film extrusion. Films manufactured with Clearflex FF 508 are characterized by excellent optical properties, if compared to the resin density, high rigidity and temperature resistance, and optimum sealing properties. Main Applications: Due to its high optical, mechanical and sealing performances, Clearflex FF 508 is recommended for applications in which the high rigidity and the optimum gloss of this resin are a key factor (hygienic film, packaging for mineral water). The high Vicat softening point makes Clearflex FF 508 ideal for the production of film for food which is submitted to pasteurization or sterilization processes. Information provided by Polimeri Europa.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polimeri-Europa-Clearflex-FF-508-Octene-Copolymer-Linear-Medium-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_Polimeri-Europa-Clearflex-FF-508-Octene-Copolymer-Linear-Medium-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.934 g/cc	0.934 g/cc	ISO 1183
Thickness	10.0 - 50.0 microns	0.394 - 1.97 mil	Recommended
Melt Flow	0.75 g/10 min @Load 2.16 kg, Temperature 190 °C	0.75 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	18.0 MPa	2610 psi	ISO 527-3
Film Elongation at Break, MD	550 %	550 %	ISO 527-3
Film Elongation at Break, TD	750 %	750 %	ISO 527-3
Coefficient of Friction, Dynamic	>= 0.50	>= 0.50	ISO 8295
Elmendorf Tear Strength, MD	3.5665 g/micron	90.589 g/mil	ISO 6383-2
Elmendorf Tear Strength, TD	20.38 g/micron	517.7 g/mil	ISO 6383-2
Dart Drop Test	90.0 g	0.198 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	40.0 MPa	5800 psi	ISO 527-3
1% Secant Modulus, MD	400 MPa	58000 psi	ISO 527-3
1% Secant Modulus, TD	450 MPa	65300 psi	ISO 527-3

Mechanical Properties	Metric	English	Comments
Melting Point	127 °C	261 °F	Internal method
Vicat Softening Point	117 °C	243 °F	ISO 306/A
	@Load 1.00 kg	@Load 2.20 lb	
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D746

Optical Properties	Metric	English	Comments
Haze	12 %	12 %	ISO 14782
Gloss	60 %	60 %	45°; ASTM D2457
Transmission, Visible	90 %	90 %	clear; thickness not quantified

## Contact Songhan Plastic Technology Co.,Ltd.

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