

## Polimeri Europa Clearflex® FG 368 Octene Comonomer Linear Low Density Polyethylene

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

### Material Notes:

Clearflex FG 368 is an octene copolymer linear low density polyethylene (C8-LLDPE), with antioxidant and processing aid, suitable for blown film extrusion. Films manufactured with Clearflex FG 368 are characterized by high optical properties and outstanding mechanical performances. Main Applications: Clearflex FG 368 is recommended for the production of bioriented film in which a perfect combination between high mechanical properties, optical and sealing characteristics is required. Information provided by Polimeri Europa.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polimeri-Europa-Clearflex-FG-368-Octene-Comonomer-Linear-Low-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_Polimeri-Europa-Clearflex-FG-368-Octene-Comonomer-Linear-Low-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.925 g/cc	0.925 g/cc	ISO 1183
Thickness	10.0 - 50.0 microns	0.394 - 1.97 mil	Recommended
Melt Flow	1.0 g/10 min @Load 2.16 kg, Temperature 190 °C	1.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	12.0 MPa	1740 psi	ISO 527-3
Film Tensile Strength at Yield, TD	12.0 MPa	1740 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	10.19 g/micron	258.8 g/mil	ISO 6383-2
Elmendorf Tear Strength, TD	25.475 g/micron	647.07 g/mil	ISO 6383-2
Dart Drop Test	170 g	0.375 lb	F50; ISO 7765-1
Film Tensile Strength at Break, MD	45.0 MPa	6530 psi	ISO 527-3
Film Tensile Strength at Break, TD	45.0 MPa	6530 psi	ISO 527-3
1% Secant Modulus, MD	230 MPa	33400 psi	ISO 527-3
1% Secant Modulus, TD	250 MPa	36300 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments
Vicat Softening Point	107 °C	225 °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	8.0 %	8.0 %	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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