

Polimeri Europa Clearflex® FF D0 Very Low Density Polyethylene

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

Material Notes:

Clearflex FF D0 is a linear low density polyethylene, with antioxidants, suitable for blown film technology. Films made with Clearflex FF D0 are highly transparent, have excellent sealing properties, mainly at low temperature, and outstanding mechanical performances. Main

Applications: Clearflex FF D0 is recommended to produce stretch film and is used in blend or coextrusion because of its unique properties. Information provided by Polimeri Europa.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-Clearflex-FF-D0-Very-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 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	5.00 MPa	725 psi	ISO 527-3
Film Tensile Strength at Yield, TD	5.00 MPa	725 psi	ISO 527-3
Film Elongation at Break, MD	450 %	450 %	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	7.133 g/micron	181.2 g/mil	ISO 6383-2
Elmendorf Tear Strength, TD	15.285 g/micron	388.24 g/mil	ISO 6383-2
Dart Drop Test	340 g	0.750 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	34.0 MPa	4930 psi	ISO 527-3
1% Secant Modulus, MD	65.0 MPa	9430 psi	ISO 527-3
1% Secant Modulus, TD	70.0 MPa	10200 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
Melting Point	116 °C	241 °F	Internal method

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

Optical Properties	Metric	English	Comments
Haze	7.0 %	7.0 %	ISO 14782
Gloss	75 %	75 %	45°; ASTM D2457
Transmission, Visible	90 %	90 %	clear; thickness not quantified

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