

## Polimeri Europa Clearflex® CH D0 Very Low Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Very Low Density Polyethylene (VLDPE)

### Material Notes:

Clearflex CH D0 is a linear low density polyethylene, with antioxidants, characterized by a very low density (VLDPE). The film has a high stretchability and an optimum cling effect. Main Applications: Clearflex CH D0 is recommended for applications in which soft touch and flexibility are required, for improvement of impact resistance when used as additive in blend with other polyolefins formulated with or without mineral fillers. Clearflex CH D0 is also used as cling agent in stretch films. Information provided by Polimeri Europa.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polimeri-Europa-Clearflex-CH-D0-Very-Low-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_Polimeri-Europa-Clearflex-CH-D0-Very-Low-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ISO 1183
Thickness	8.00 - 50.0 microns	0.315 - 1.97 mil	Recommended
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 190 °C	2.0 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	600 %	600 %	ISO 527-3
Film Elongation at Break, TD	850 %	850 %	ISO 527-3
Coefficient of Friction, Dynamic	>= 0.50	>= 0.50	ISO 8295
Elmendorf Tear Strength, MD	5.095 g/micron	129.4 g/mil	ISO 6383-2
Elmendorf Tear Strength, TD	11.7 g/micron	298 g/mil	ISO 6383-2
Dart Drop Test	200 g	0.441 lb	F50; ISO 7765-1
Film Tensile Strength at Break, MD	43.0 MPa	6240 psi	ISO 527-3
Film Tensile Strength at Break, TD	31.0 MPa	4500 psi	ISO 527-3
1% Secant Modulus, MD	50.0 MPa	7250 psi	ISO 527-3
1% Secant Modulus, TD	60.0 MPa	8700 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
Melting Point	115 °C	239 °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	4.0 %	4.0 %	ISO 14782
Gloss	80 %	80 %	45°; ASTM D2457
Transmission, Visible	90 %	90 %	clear; thickness not quantified

## Contact Songhan Plastic Technology Co.,Ltd.

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