

ExxonMobil Escorene® LD-108 LDPE Packaging Film Resin, High Clarity (discontinued **)

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

Material Notes:

Data provided by the manufacturer, Exxon Chemical. A homopolymer high clarity film resin with a good balance of toughness, stiffness, and drawdown capability. This resin has good machinability in bag making equipment and can be drawn down to less than 1.0 mil in the blown film process. Applications: Food packaging (sandwich bags, baked goods bags, light duty produce bags, etc.); Textile goods packaging (shirts, sweaters, etc.); Clarity packaging applications requiring a softer film. Data for film properties below based on 1.25 mil film.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-LD-108-LDPE-Packaging-Film-Resin-High-Clarity-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in ³	Exxon Method
Thickness	31.8 microns	1.25 mil	
Melt Flow	2.0 g/10 min	2.0 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	12.0 MPa	1740 psi	ASTM D882
Film Tensile Strength at Yield, TD	12.0 MPa	1740 psi	ASTM D882
Film Elongation at Break, MD	100 %	100 %	ASTM D882
Film Elongation at Break, TD	500 %	500 %	ASTM D882
Secant Modulus, MD	0.240 GPa	34.8 ksi	ASTM D882
Secant Modulus, TD	0.280 GPa	40.6 ksi	ASTM D882
Elmendorf Tear Strength MD	500 g	500 g	ASTM D1922
Elmendorf Tear Strength TD	100 g	100 g	ASTM D1922
Elmendorf Tear Strength, MD	15.7 g/micron	400 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	3.15 g/micron	80.0 g/mil	ASTM D1922
Dart Drop	1.89 g/micron	48.0 g/mil	F50; ASTM D1709
Dart Drop Test	60.0 g	0.132 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	33.0 MPa	4790 psi	ASTM D882
Film Tensile Strength at Break, TD	17.0 MPa	2470 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	112 °C	234 °F	Exxon Method

Optical Properties	Metric	English	Comments
Haze	6.0 %	6.0 %	ASTM D1003
Gloss	65 %	65 %	45°, ASTM D-2457
Transmission, Visible	90 %	90 %	clear; thickness not quantified

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