

ExxonMobil Escorene® LD-138 LDPE Packaging Film Resin (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 film resin offering good clarity, toughness, and stiffness. Blown film made from this resin has good machinability in bag equipment and can be drawn down at 1.0 mil. Applications: Bread bags; Laminating 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-138-LDPE-Packaging-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.924 g/cc	0.0334 lb/in ³	Exxon Method
Thickness	31.8 microns	1.25 mil	
Melt Flow	1.3 g/10 min	1.3 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	11.0 MPa	1600 psi	ASTM D882
Film Tensile Strength at Yield, TD	12.0 MPa	1740 psi	ASTM D882
Film Elongation at Break, MD	250 %	250 %	ASTM D882
Film Elongation at Break, TD	600 %	600 %	ASTM D882
Secant Modulus, MD	0.260 GPa	37.7 ksi	ASTM D882
Secant Modulus, TD	0.280 GPa	40.6 ksi	ASTM D882
Elmendorf Tear Strength MD	400 g	400 g	ASTM D1922
Elmendorf Tear Strength TD	150 g	150 g	ASTM D1922
Elmendorf Tear Strength, MD	12.6 g/micron	320 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	4.72 g/micron	120 g/mil	ASTM D1922
Dart Drop	1.57 g/micron	40.0 g/mil	F50; ASTM D1709
Dart Drop Test	50.0 g	0.110 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	31.0 MPa	4500 psi	ASTM D882
Film Tensile Strength at Break, TD	20.0 MPa	2900 psi	ASTM D882

Thermal Properties	Metric	English	Comments
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Melting Point Thermal Properties	112 °C Metric	234 °F English	Exxon Method Comments
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Optical Properties	Metric	English	Comments
Haze	5.0 %	5.0 %	ASTM D1003
Gloss	75 %	75 %	45°, ASTM D-2457

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