

ExxonMobil Escorene® LD-141 EVA Shrink Film Resin, FMI (discontinued **)

Category : Polymer , Film , Thermoplastic , Ethylene Vinyl Acetate , Ethylene Vinyl Acetate Copolymer (EVA), Film Grade

Material Notes:

Data provided by the manufacturer, Exxon Chemical. A fractional melt index, 2.0% vinyl acetate copolymer film resin with very good toughness and shrink properties. The low melt index gives excellent impact strength and melt strength over a range of gauges, generally 1.5 mils and up. Applications: Medium duty shrink wrap (bundling, tray); Heavy duty bags. Data for film properties below based on 3 mil film.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-LD-141-EVA-Shrink-Film-Resin-FMI-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in³	Exxon Method
Thickness	76.2 microns	3.00 mil	
Melt Flow	0.30 g/10 min	0.30 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	8.90 MPa	1290 psi	ASTM D882
Film Tensile Strength at Yield, TD	8.20 MPa	1190 psi	ASTM D882
Film Elongation at Break, MD	200 %	200 %	ASTM D882
Film Elongation at Break, TD	500 %	500 %	ASTM D882
Secant Modulus, MD	0.152 GPa	22.0 ksi	ASTM D882
Secant Modulus, TD	0.193 GPa	28.0 ksi	ASTM D882
Elmendorf Tear Strength MD	100 g	100 g	ASTM D1922
Elmendorf Tear Strength TD	200 g	200 g	ASTM D1922
Elmendorf Tear Strength, MD	1.30 g/micron	33.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	2.64 g/micron	67.0 g/mil	ASTM D1922
Dart Drop	3.94 g/micron	100 g/mil	F50; ASTM D1709
Dart Drop Test	300 g	0.662 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	22.0 MPa	3190 psi	ASTM D882
Film Tensile Strength at Break, TD	21.0 MPa	3050 psi	ASTM D882

Thermal Properties	Metric	English	Comments
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Melting Point Thermal Properties	107 °C Metric	225 °F English	Exxon Method Comments
Optical Properties	Metric	English	Comments
Haze	20 %	20 %	ASTM D1003
Gloss	40 %	40 %	45°, ASTM D-2457

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