

ExxonMobil Escorene® LD-317 EVA 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, 5.5% vinyl acetate copolymer film resin. Film made from LD-317 offers excellent impact strength, tensile properties, and heat sealability. Applications: Ice bags; Frozen food packaging; Other food packaging (heavy duty produce bags, poultry bags, etc.); Packaging applications requiring excellent toughness and good heat sealability.

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-317-EVA-Film-Resin-FMI-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.928 g/cc	0.0335 lb/in ³	Exxon Method
Thickness	31.8 microns	1.25 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	8.20 MPa	1190 psi	ASTM D882
Film Tensile Strength at Yield, TD	6.80 MPa	986 psi	ASTM D882
Film Elongation at Break, MD	200 %	200 %	ASTM D882
Film Elongation at Break, TD	600 %	600 %	ASTM D882
Secant Modulus, MD	0.124 GPa	18.0 ksi	ASTM D882
Secant Modulus, TD	0.144 GPa	20.9 ksi	ASTM D882
Elmendorf Tear Strength MD	100 g	100 g	ASTM D1922
Elmendorf Tear Strength TD	150 g	150 g	ASTM D1922
Elmendorf Tear Strength, MD	3.15 g/micron	80.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	4.72 g/micron	120 g/mil	ASTM D1922
Dart Drop	8.82 g/micron	224 g/mil	F50; ASTM D1709
Dart Drop Test	280 g	0.617 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	26.0 MPa	3770 psi	ASTM D882
Film Tensile Strength at Break, TD	22.0 MPa	3190 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	104 °C	219 °F	Exxon Method

Optical Properties	Metric	English	Comments
Haze	15 %	15 %	ASTM D1003
Gloss	50 %	50 %	45°, ASTM D-2457

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