

ExxonMobil Escorene® LD-318 EVA Film Resin (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 9.0% vinyl acetate copolymer film resin. Film made from LD-318 exhibits superior impact strength and heat sealability. Applications: Primal meat bags. 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-318-EVA-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 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	6.90 MPa	1000 psi	ASTM D882
Film Tensile Strength at Yield, TD	6.20 MPa	899 psi	ASTM D882
Film Elongation at Break, MD	275 %	275 %	ASTM D882
Film Elongation at Break, TD	600 %	600 %	ASTM D882
Secant Modulus, MD	0.100 GPa	14.5 ksi	ASTM D882
Secant Modulus, TD	0.117 GPa	17.0 ksi	ASTM D882
Elmendorf Tear Strength MD	150 g	150 g	ASTM D1922
Elmendorf Tear Strength TD	100 g	100 g	ASTM D1922
Elmendorf Tear Strength, MD	4.72 g/micron	120 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	3.15 g/micron	80.0 g/mil	ASTM D1922
Dart Drop	6.30 g/micron	160 g/mil	F50; ASTM D1709
Dart Drop Test	200 g	0.441 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	30.0 MPa	4350 psi	ASTM D882
Film Tensile Strength at Break, TD	21.0 MPa	3050 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	99.0 °C	210 °F	Exxon Method

Optical Properties	Metric	English	Comments
Haze	3.0 %	3.0 %	ASTM D1003
Gloss	85 %	85 %	45°, ASTM D-2457

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