

ExxonMobil Escorene® LD-333 EVA Film Resin, Very High Clarity, Very High Impact (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-333 exhibits superior impact strength, clarity and heat sealability. Applications: Primal meat bags; Retail meat packages; Cheese packaging. 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-333-EVA-Film-Resin-Very-High-Clarity-Very-High-Impact-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	0.90 g/10 min	0.90 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	7.60 MPa	1100 psi	ASTM D882
Film Tensile Strength at Yield, TD	6.20 MPa	899 psi	ASTM D882
Film Elongation at Break, MD	230 %	230 %	ASTM D882
Film Elongation at Break, TD	635 %	635 %	ASTM D882
Secant Modulus, MD	0.130 GPa	18.9 ksi	ASTM D882
Secant Modulus, TD	0.160 GPa	23.2 ksi	ASTM D882
Elmendorf Tear Strength MD	110 g	110 g	ASTM D1922
Elmendorf Tear Strength TD	70 g	70 g	ASTM D1922
Elmendorf Tear Strength, MD	3.46 g/micron	88.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	2.20 g/micron	56.0 g/mil	ASTM D1922
Dart Drop	7.87 g/micron	200 g/mil	F50; ASTM D1709
Dart Drop Test	250 g	0.551 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	37.0 MPa	5370 psi	ASTM D882
Film Tensile Strength at Break, TD	28.0 MPa	4060 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	77 %	77 %	45°, ASTM D-2457
Transmission, Visible	90 %	90 %	clear; thickness not quantified

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