

ExxonMobil Escorene® LD-334 EVA Film Resin, Clarity, 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 4.2% vinyl acetate copolymer, clarity film resin. The low melt index and comonomer context of this resin help produce films with superior impact strength, good heat sealability and good low temperature properties. Applications: Frozen food packaging; Poultry bags; Produce 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-334-EVA-Film-Resin-Clarity-High-Impact-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.925 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	8.60 MPa	1250 psi	ASTM D882
Film Tensile Strength at Yield, TD	8.60 MPa	1250 psi	ASTM D882
Film Elongation at Break, MD	130 %	130 %	ASTM D882
Film Elongation at Break, TD	520 %	520 %	ASTM D882
Secant Modulus, MD	0.170 GPa	24.7 ksi	ASTM D882
Secant Modulus, TD	0.220 GPa	31.9 ksi	ASTM D882
Elmendorf Tear Strength MD	340 g	340 g	ASTM D1922
Elmendorf Tear Strength TD	80 g	80 g	ASTM D1922
Elmendorf Tear Strength, MD	10.7 g/micron	272 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	2.52 g/micron	64.0 g/mil	ASTM D1922
Dart Drop	4.09 g/micron	104 g/mil	F50; ASTM D1709
Dart Drop Test	130 g	0.287 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	28.0 MPa	4060 psi	ASTM D882
Film Tensile Strength at Break, TD	21.0 MPa	3050 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	103 °C	217 °F	Exxon Method

Optical Properties	Metric	English	Comments
Haze	7.2 %	7.2 %	ASTM D1003
Gloss	66 %	66 %	45°, ASTM D-2457
Transmission, Visible	90 %	90 %	clear; thickness not quantified

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