

ExxonMobil Escorene® LD-332 EVA Packaging Film Resin, High Clarity (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 1% vinyl acetate copolymer packaging film resin. Film made from LD-332 offers improved impact strength and heat sealability compared to homopolymer clarity film resins. LD-332 can be drawn down to less than 1.0 mil in the blown film process. Applications: Food packaging (bread bags, baked goods, light duty produce bags, etc.); Frozen food packaging; Profile extrusion; Rack and counter bags where good heat sealability and clarity are required. 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-332-EVA-Packaging-Film-Resin-High-Clarity-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.927 g/cc	0.0335 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	10.0 MPa	1450 psi	ASTM D882
Film Tensile Strength at Yield, TD	11.0 MPa	1600 psi	ASTM D882
Film Elongation at Break, MD	225 %	225 %	ASTM D882
Film Elongation at Break, TD	600 %	600 %	ASTM D882
Secant Modulus, MD	0.250 GPa	36.3 ksi	ASTM D882
Secant Modulus, TD	0.330 GPa	47.9 ksi	ASTM D882
Elmendorf Tear Strength MD	600 g	600 g	ASTM D1922
Elmendorf Tear Strength TD	150 g	150 g	ASTM D1922
Elmendorf Tear Strength, MD	18.9 g/micron	480 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	4.72 g/micron	120 g/mil	ASTM D1922
Dart Drop	2.52 g/micron	64.0 g/mil	F50; ASTM D1709
Dart Drop Test	80.0 g	0.176 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	31.0 MPa	4500 psi	ASTM D882
Film Tensile Strength at Break, TD	22.0 MPa	3190 psi	ASTM D882

Mechanical Properties	Metric	English	Comments
Thermal Properties	Metric	English	Comments
Melting Point	110 °C	230 °F	Exxon Method

Optical Properties	Metric	English	Comments
Haze	3.7 %	3.7 %	ASTM D1003
Gloss	77 %	77 %	45°, ASTM D-2457
Transmission, Visible	90 %	90 %	clear; thickness not quantified

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