

ExxonMobil Escorene® LD-307 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 5.0% vinyl acetate copolymer, clarity film resin. Film made from this resin has superior impact strength and heat sealability. Applications: Frozen food packaging; Other food packaging such as heavy duty produce bags, rice bags, poultry bags, etc.; High strength bags; 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-307-EVA-Film-Resin-Clarity-High-Impact-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.926 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	7.60 MPa	1100 psi	ASTM D882
Film Tensile Strength at Yield, TD	6.90 MPa	1000 psi	ASTM D882
Film Elongation at Break, MD	150 %	150 %	ASTM D882
Film Elongation at Break, TD	500 %	500 %	ASTM D882
Secant Modulus, MD	0.120 GPa	17.4 ksi	ASTM D882
Secant Modulus, TD	0.140 GPa	20.3 ksi	ASTM D882
Elmendorf Tear Strength MD	275 g	275 g	ASTM D1922
Elmendorf Tear Strength TD	100 g	100 g	ASTM D1922
Elmendorf Tear Strength, MD	8.66 g/micron	220 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	3.15 g/micron	80.0 g/mil	ASTM D1922
Dart Drop	3.46 g/micron	88.0 g/mil	F50; ASTM D1709
Dart Drop Test	110 g	0.243 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	24.0 MPa	3480 psi	ASTM D882
Film Tensile Strength at Break, TD	19.0 MPa	2760 psi	ASTM D882

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

Optical Properties	Metric	English	Comments
Haze	6.5 %	6.5 %	ASTM D1003
Gloss	60 %	60 %	45°, ASTM D-2457
Transmission, Visible	90 %	90 %	clear; thickness not quantified

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