ExxonMobil Escorene® LD-303 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 3.8% 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-303-EVA-Film-Resin-Clarity-High-Impact-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.925 g/cc	0.0334 lb/in³	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	8.90 MPa	1290 psi	ASTM D882
Film Tensile Strength at Yield, TD	8.30 MPa	1200 psi	ASTM D882
Film Elongation at Break, MD	120 %	120 %	ASTM D882
Film Elongation at Break, TD	550 %	550 %	ASTM D882
Secant Modulus, MD	0.150 GPa	21.8 ksi	ASTM D882
Secant Modulus, TD	0.200 GPa	29.0 ksi	ASTM D882
Elmendorf Tear Strength MD	400 g	400 g	ASTM D1922
Elmendorf Tear Strength TD	100 g	100 g	ASTM D1922
Elmendorf Tear Strength, MD	12.6 g/micron	320 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	3.15 g/micron	80.0 g/mil	ASTM D1922
Dart Drop	3.15 g/micron	80.0 g/mil	F50; ASTM D1709
Dart Drop Test	100 g	0.221 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	30.0 MPa	4350 psi	ASTM D882
Film Tensile Strength at Break, TD	19.0 MPa	2760 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	104 °C	219 °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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