

ExxonMobil Escorene® LD-315 EVA Packaging Film Resin for Frozen Food (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. This resin's low melt index and its comonomer content combine to provide film of special toughness and impact resistance as well as good heat sealability and low temperature properties. Applications: Frozen food packaging; Other food packaging including heavy duty produce bags, poultry bags, etc.; Packaging applications requiring good 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-315-EVA-Packaging-Film-Resin-for-Frozen-Food-nspsdiscontinued-.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	0.90 g/10 min	0.90 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	7.60 MPa	1100 psi	ASTM D882
Film Elongation at Break, MD	100 %	100 %	ASTM D882
Film Elongation at Break, TD	500 %	500 %	ASTM D882
Secant Modulus, MD	0.140 GPa	20.3 ksi	ASTM D882
Secant Modulus, TD	0.170 GPa	24.7 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	103 °C	217 °F	Exxon Method

Optical Properties	Metric	English	Comments
Haze	10 %	10 %	ASTM D1003
Gloss	50 %	50 %	45°, ASTM D-2457

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