

## ExxonMobil Escorene® LD-314 EVA Packaging Film Resin (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 3.5% vinyl acetate copolymer resin for higher clarity films. Film made from LD-314 offers good impact strength, heat sealability, and low temperature properties versus homopolymer clarity film resins. Applications: Frozen food packaging; Freezer bags; Other food packaging including light duty produce bags, etc.; Laminating films; Packaging applications where good toughness, heat sealability and high 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-314-EVA-Packaging-Film-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-LD-314-EVA-Packaging-Film-Resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.925 g/cc	0.0334 lb/in <sup>3</sup>	Exxon Method
Thickness	31.8 microns	1.25 mil	
Melt Flow	2.2 g/10 min	2.2 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	8.30 MPa	1200 psi	ASTM D882
Film Tensile Strength at Yield, TD	8.30 MPa	1200 psi	ASTM D882
Film Elongation at Break, MD	200 %	200 %	ASTM D882
Film Elongation at Break, TD	600 %	600 %	ASTM D882
Secant Modulus, MD	0.150 GPa	21.8 ksi	ASTM D882
Secant Modulus, TD	0.180 GPa	26.1 ksi	ASTM D882
Elmendorf Tear Strength MD	375 g	375 g	ASTM D1922
Elmendorf Tear Strength TD	100 g	100 g	ASTM D1922
Elmendorf Tear Strength, MD	11.8 g/micron	300 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	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	106 °C	223 °F	Exxon Method

Optical Properties	Metric	English	Comments
Haze	5.0 %	5.0 %	ASTM D1003
Gloss	75 %	75 %	45°, ASTM D-2457

## Contact Songhan Plastic Technology Co.,Ltd.

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