

ExxonMobil Escorene® LD 319.92 Film Resin (discontinued **)

Category : Polymer , Film , Thermoplastic , Ethylene Vinyl Acetate , Ethylene Vinyl Acetate Copolymer (EVA), Film Grade

Material Notes:

Escorene Ultra LD 319.92 is a 9.0 wt% vinyl acetate copolymer film resin, that exhibits superior impact strength and heat sealability. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-LD-31992-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in ³	ExxonMobil Method
Vinyl Acetate Content	9.0 %	9.0 %	ExxonMobil Method
Melt Flow	2.0 g/10 min	2.0 g/10 min	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	6.89 MPa	1000 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	6.27 MPa	910 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	330 %	330 %	ASTM D882
Film Elongation at Break, TD	660 %	660 %	ASTM D882
Film Elongation at Yield, MD	7.9 %	7.9 %	ASTM D882
Film Elongation at Yield, TD	6.4 %	6.4 %	ASTM D882
Elmendorf Tear Strength, MD	3.15 g/micron	80.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	2.625 g/micron	66.67 g/mil	ASTM D1922
Dart Drop	6.5618 g/micron	166.67 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	30.5 MPa	4430 psi	ASTM D882
Film Tensile Strength at Break, TD	27.4 MPa	3980 psi	ASTM D882
1% Secant Modulus, MD	106 MPa	15400 psi	ASTM D882
1% Secant Modulus, TD	116 MPa	16800 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	98.9 °C	210 °F	Peak Melting Temperature; ExxonMobil Method
Crystallization Temperature	85.0 °C	185 °F	ExxonMobil Method

Thermal Properties	Metric	English	Comments
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Optical Properties	Metric	English	Comments
Haze	1.5 %	1.5 %	ASTM D1003
Gloss	88 %	88 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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