

ExxonMobil LD 313.NF Blown Film Resin

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

Material Notes:

LD 313.NF is a 3 wt% vinyl acetate copolymer. The vinyl acetate content of this resin provides good heat sealing and good cold temperature toughness when compared to LDPE homopolymers. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LD-313NF-Blown-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.925 g/cc	0.0334 lb/in ³	ExxonMobil Method
Vinyl Acetate Content	3.0 %	3.0 %	ExxonMobil Method
Thickness	38.1 microns	1.50 mil	
Melt Flow	2.5 g/10 min	2.5 g/10 min	ExxonMobil Method
Antiblock Level	2500 ppm	2500 ppm	
Slip Level	800 ppm	800 ppm	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	230 %	230 %	ASTM D882
Film Elongation at Break, TD	580 %	580 %	ASTM D882
Elmendorf Tear Strength MD	240 g	240 g	ASTM D1922
Elmendorf Tear Strength TD	140 g	140 g	ASTM D1922
Elmendorf Tear Strength, MD	6.30 g/micron	160 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	3.674 g/micron	93.33 g/mil	ASTM D1922
Dart Drop	3.67 g/micron	93.3 g/mil	ASTM D1709
Dart Drop Test	140 g	0.309 lb	ASTM D1709
Film Tensile Strength at Break, MD	23.0 MPa	3330 psi	ASTM D882
Film Tensile Strength at Break, TD	20.8 MPa	3010 psi	ASTM D882
1% Secant Modulus, MD	164 MPa	23800 psi	ASTM D882
1% Secant Modulus, TD	188 MPa	27200 psi	ASTM D882

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments
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Optical Properties	Metric	English	Comments
Haze	5.7 %	5.7 %	ASTM D1003
Gloss	75 %	75 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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