

ExxonMobil LD 334.82 Clear, High Impact Film Resin

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

Material Notes:

LD 334 resins produce films with superior impact strength, good heat sealability, and low temperature properties. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LD-33482-Clear-High-Impact-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.924 g/cc	0.0334 lb/in ³	ExxonMobil Method
Vinyl Acetate Content	4.2 %	4.2 %	ExxonMobil Method
Melt Flow	1.25 g/10 min	1.25 g/10 min	ExxonMobil Method
Antiblock Level	4000 ppm	4000 ppm	
Slip Level	800 ppm	800 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	8.07 MPa	1170 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	7.65 MPa	1110 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	180 %	180 %	ASTM D882
Film Elongation at Break, TD	580 %	580 %	ASTM D882
Film Elongation at Yield, MD	7.0 %	7.0 %	ASTM D882
Film Elongation at Yield, TD	5.5 %	5.5 %	ASTM D882
Elmendorf Tear Strength MD	170 g	170 g	ASTM D1922
Elmendorf Tear Strength TD	90 g	90 g	ASTM D1922
Dart Drop Test	180 g	0.397 lb	ASTM D1709
Film Tensile Strength at Break, MD	24.3 MPa	3530 psi	ASTM D882
Film Tensile Strength at Break, TD	23.2 MPa	3360 psi	ASTM D882
1% Secant Modulus, MD	141 MPa	20400 psi	ASTM D882
1% Secant Modulus, TD	163 MPa	23700 psi	ASTM D882

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Peak Melting Temperature; ExxonMobil Method
Crystallization Temperature	91.0 °C	196 °F	ExxonMobil Method
Vicat Softening Point	87.2 °C	189 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	7.4 %	7.4 %	ASTM D1003
Gloss	68 %	68 %	45°; ASTM D2457
Transmission, Visible	90 %	90 %	clear; thickness not quantified

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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