

ExxonMobil LD 334.57 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-33457-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	

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
Melting Point	104 °C	220 °F	Peak Melting Temperature; ExxonMobil Method

Thermal Properties	Temperature	Metric	English	Comments	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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