

ExxonMobil LD 307.76 Clear, High Impact Film Resin

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

Material Notes:

LD 307.76 film has superior impact strength and heat sealability, used in frozen and other food packaging, and high strength bags. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LD-30776-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	5.0 %	5.0 %	ExxonMobil Method
Melt Flow	2.0 g/10 min	2.0 g/10 min	ExxonMobil Method
Antiblock Level	5050 ppm	5050 ppm	
Slip Level	1500 ppm	1500 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	7.45 MPa	1080 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	7.10 MPa	1030 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	180 %	180 %	ASTM D882
Film Elongation at Break, TD	590 %	590 %	ASTM D882
Film Elongation at Yield, MD	7.1 %	7.1 %	ASTM D882
Film Elongation at Yield, TD	5.8 %	5.8 %	ASTM D882
Elmendorf Tear Strength MD	160 g	160 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	22.9 MPa	3320 psi	ASTM D882
Film Tensile Strength at Break, TD	22.3 MPa	3240 psi	ASTM D882
1% Secant Modulus, MD	128 MPa	18500 psi	ASTM D882
1% Secant Modulus, TD	144 MPa	20900 psi	ASTM D882

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Peak Melting Temperature; ExxonMobil Method
Crystallization Temperature	89.0 °C	192 °F	ExxonMobil Method
Vicat Softening Point	84.4 °C	184 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	7.4 %	7.4 %	ASTM D1003
Gloss	70 %	70 %	45°; ASTM D2457
Transmission, Visible	90 %	90 %	clear; thickness not quantified

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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