

ExxonMobil LD 141.87 Shrink Film Resin

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

Material Notes:

LD 141.87 is a vinyl acetate copolymer film resin with very good toughness and shrink properties. Applications include Medium duty shrink wrap and Heavy duty bags. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LD-14187-Shrink-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	ExxonMobil Method
Vinyl Acetate Content	2.0 %	2.0 %	ExxonMobil Method
Melt Flow	0.30 g/10 min	0.30 g/10 min	ExxonMobil Method
Antiblock Level	6000 ppm	6000 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	8.96 MPa	1300 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	8.27 MPa	1200 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	200 %	200 %	ASTM D882
Film Elongation at Break, TD	500 %	500 %	ASTM D882
Elmendorf Tear Strength, MD	3.15 g/micron	80.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	6.30 g/micron	160 g/mil	ASTM D1922
Dart Drop	9.45 g/micron	240 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	22.1 MPa	3200 psi	ASTM D882
Film Tensile Strength at Break, TD	20.7 MPa	3000 psi	ASTM D882
1% Secant Modulus, MD	152 MPa	22000 psi	ASTM D882
1% Secant Modulus, TD	193 MPa	28000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	107 °C	225 °F	Peak Melting Temperature; ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze			ASTM D1003

Optical Properties	20 % Metric	20 % English	Comments
Gloss	40 %	40 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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