

ExxonMobil LD 317.09 Film Resin

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

Material Notes:

LD 317 Series offer excellent impact strength, tensile properties, and heat sealability. Applications include ice bags, frozen food packaging, and other food packaging. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LD-31709-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.925 g/cc	0.0334 lb/in ³	ExxonMobil Method
Vinyl Acetate Content	6.1 %	6.1 %	ExxonMobil Method
Thickness	50.8 microns	2.00 mil	
Melt Flow	0.25 g/10 min	0.25 g/10 min	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	8.76 MPa	1270 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	7.45 MPa	1080 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	150 %	150 %	ASTM D882
Film Elongation at Break, TD	550 %	550 %	ASTM D882
Film Elongation at Yield, MD	7.5 %	7.5 %	ASTM D882
Film Elongation at Yield, TD	5.5 %	5.5 %	ASTM D882
Elmendorf Tear Strength, MD	3.15 g/micron	80.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	4.72 g/micron	120 g/mil	ASTM D1922
Dart Drop	8.66 g/micron	220 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	26.2 MPa	3800 psi	ASTM D882
Film Tensile Strength at Break, TD	26.9 MPa	3900 psi	ASTM D882
1% Secant Modulus, MD	138 MPa	20000 psi	ASTM D882
1% Secant Modulus, TD	161 MPa	23400 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	102 °C	216 °F	Peak Melting Temperature; ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	12 %	12 %	ASTM D1003
Gloss	54 %	54 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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