

ExxonMobil LD 135.09 Blown Film Resin (discontinued **)

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Film Grade

Material Notes:

LD 135.09 is a homopolymer film resin with good clarity. Applications include food packaging, light to medium duty bags, and textile packaging. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LD-13509-Blown-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	ExxonMobil Method
Thickness	38.1 microns	1.50 mil	
Melt Flow	3.0 g/10 min	3.0 g/10 min	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	10.1 MPa	1460 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	10.3 MPa	1490 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	340 %	340 %	ASTM D882
Film Elongation at Break, TD	640 %	640 %	ASTM D882
Film Elongation at Yield, MD	6.2 %	6.2 %	ASTM D882
Film Elongation at Yield, TD	5.4 %	5.4 %	ASTM D882
Elmendorf Tear Strength MD	310 g	310 g	ASTM D1922
Elmendorf Tear Strength TD	180 g	180 g	ASTM D1922
Elmendorf Tear Strength, MD	8.134 g/micron	206.6 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	4.72 g/micron	120 g/mil	ASTM D1922
Dart Drop	2.62 g/micron	66.6 g/mil	ASTM D1709
Dart Drop Test	100 g	0.221 lb	ASTM D1709
Film Tensile Strength at Break, MD	26.3 MPa	3820 psi	ASTM D882
Film Tensile Strength at Break, TD	21.3 MPa	3090 psi	ASTM D882
1% Secant Modulus, MD	192 MPa	27800 psi	ASTM D882
1% Secant Modulus, TD	230 MPa	33400 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	109 °C	228 °F	Peak Melting Temperature; ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	4.4 %	4.4 %	ASTM D1003
Gloss	80 %	80 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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