

ExxonMobil LD 135.09 Cast Packaging 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. It is suitable for processing in cast film equipment. 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-Cast-Packaging-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	6.89 MPa	1000 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	6.21 MPa	900 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	290 %	290 %	ASTM D882
Film Elongation at Break, TD	660 %	660 %	ASTM D882
Elmendorf Tear Strength, MD	7.09 g/micron	180 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	3.94 g/micron	100 g/mil	ASTM D1922
Dart Drop	2.36 g/micron	60.0 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	31.0 MPa	4500 psi	ASTM D882
Film Tensile Strength at Break, TD	17.9 MPa	2600 psi	ASTM D882
1% Secant Modulus, MD	145 MPa	21000 psi	ASTM D882
1% Secant Modulus, TD	152 MPa	22000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	110 °C	230 °F	Peak Melting Temperature; ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	3.1 %	3.1 %	ASTM D1003
Gloss			45°; ASTM D2457

Optical Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Features		Thermal Stabilizer	

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