

ExxonMobil LD 102.74 Thin Gauged Film Resin (discontinued **)

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

Material Notes:

LD 102 series are homopolymer, good clarity, laundry and dry cleaning film resins capable of providing a tough film in very thin gauges
Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LD-10274-Thin-Gauged-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	ExxonMobil Method
Melt Flow	6.8 g/10 min	6.8 g/10 min	ExxonMobil Method
Antiblock Level	24000 ppm	24000 ppm	
Slip Level	1350 ppm	1350 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	9.65 MPa	1400 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	380 %	380 %	ASTM D882
Film Elongation at Break, TD	610 %	610 %	ASTM D882
Film Elongation at Yield, MD	7.0 %	7.0 %	ASTM D882
Film Elongation at Yield, TD	7.4 %	7.4 %	ASTM D882
Elmendorf Tear Strength, MD	5.12 g/micron	130 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	3.31 g/micron	84.0 g/mil	ASTM D1922
Dart Drop	2.60 g/micron	66.0 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	20.0 MPa	2900 psi	ASTM D882
Film Tensile Strength at Break, TD	20.7 MPa	3000 psi	ASTM D882
1% Secant Modulus, MD	157 MPa	22800 psi	ASTM D882
1% Secant Modulus, TD	182 MPa	26400 psi	ASTM D882

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

Thermal Properties	Metric	English	Comments
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Optical Properties	Metric	English	Comments
Haze	4.0 %	4.0 %	ASTM D1003
Gloss	83 %	83 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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