

ExxonMobil LL 1002.32 Blown Film Resin (discontinued **)

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

Material Notes:

LL 1002 resins are butene LLDPE designed for blown film process, with good tensile and toughness properties. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LL-100232-Blown-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ExxonMobil Method
Melt Flow	2.0 g/10 min	2.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	8.48 MPa	1230 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	8.62 MPa	1250 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	660 %	660 %	ASTM D882
Film Elongation at Break, TD	780 %	780 %	ASTM D882
Puncture Energy	1.11 J	0.817 ft-lb	ExxonMobil
Elmendorf Tear Strength, MD	4.72 g/micron	120 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	13.4 g/micron	340 g/mil	ASTM D1922
Dart Drop	2.76 g/micron	70.0 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	36.5 MPa	5300 psi	ASTM D882
Film Tensile Strength at Break, TD	26.2 MPa	3800 psi	ASTM D882
1% Secant Modulus, MD	177 MPa	25700 psi	ASTM D882
1% Secant Modulus, TD	196 MPa	28400 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	123 °C	253 °F	Peak Melting Temperature; ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	28.7 %	28.7 %	ASTM D1003
Gloss			45°; ASTM D2457

Optical Properties	22 % Metric	22 % English	Comments
Descriptive Properties	Value		Comments
Features	Thermal Stabilizer		

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