

ExxonMobil LL 1001x59 Blown Film Resin (discontinued **)

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

Material Notes:

LL1001 are butene LLDPE blown film resins having good drawdown, tensile and toughness properties. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LL-1001x59-Blown-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ExxonMobil Method
Melt Flow	1.0 g/10 min	1.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	9.38 MPa	1360 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	9.51 MPa	1380 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	580 %	580 %	ASTM D882
Film Elongation at Break, TD	850 %	850 %	ASTM D882
Puncture Energy	3.13 J	2.31 ft-lb	ExxonMobil
Elmendorf Tear Strength, MD	3.15 g/micron	80.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	15.7 g/micron	400 g/mil	ASTM D1922
Dart Drop	4.09 g/micron	104 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	53.1 MPa	7700 psi	ASTM D882
Film Tensile Strength at Break, TD	35.3 MPa	5120 psi	ASTM D882
1% Secant Modulus, MD	193 MPa	28000 psi	ASTM D882
1% Secant Modulus, TD	223 MPa	32300 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	121 °C	249 °F	Peak Melting Temperature; ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	15.3 %	15.3 %	ASTM D1003
Gloss			45°; ASTM D2457

Optical Properties	45 % Metric	45 % English	Comments
Descriptive Properties	Value		Comments
Features	Thermal Stabilizer		

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