

ExxonMobil LL 1001x74 Blown Film Resin

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

Material Notes:

LL 1001 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-1001x74-Blown-Film-Resin.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 @Load 2.16 kg, Temperature 190 °C	1.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Antiblock Level	5000 ppm	5000 ppm	
Slip Level	1700 ppm	1700 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	9.65 MPa	1400 psi	ASTM D882
Film Tensile Strength at Yield, TD	9.65 MPa	1400 psi	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

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

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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