

ExxonMobil LL 3301.34 Premium High Strength Film Resin (discontinued **)

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

Material Notes:

LL 3001 resins are hexene copolymer LLDPE film resins. Films produced from this resin have excellent tensile, toughness, and drawability properties. LL 3001 resins are available with blown film additive formulations, with or without antiblock. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LL-330134-Premium-High-Strength-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 lb/in ³	ExxonMobil Method
Melt Flow	1.0 g/10 min	1.0 g/10 min	ASTM D1238
Antiblock Level	9000 ppm	9000 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	9.31 MPa	1350 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	10.0 MPa	1450 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	500 %	500 %	ASTM D882
Film Elongation at Break, TD	840 %	840 %	ASTM D882
Puncture Energy	3.05 J	2.25 ft-lb	ExxonMobil
Elmendorf Tear Strength, MD	17.3 g/micron	440 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	29.1 g/micron	740 g/mil	ASTM D1922
Dart Drop	5.51 g/micron	140 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	57.9 MPa	8400 psi	ASTM D882
Film Tensile Strength at Break, TD	48.1 MPa	6980 psi	ASTM D882
1% Secant Modulus, MD	197 MPa	28600 psi	ASTM D882
1% Secant Modulus, TD	238 MPa	34500 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	124 °C	256 °F	Peak Melting Temperature; ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	14.9 %	14.9 %	ASTM D1003
Gloss	49 %	49 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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