

ExxonMobil LL 3002.32 Cast Film Resin (discontinued **)

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

Material Notes:

LL 3002.32 is a hexene copolymer LLDPE cast film resin. Films produced from this resin have excellent tensile properties, as well as stiffness and toughness. Combined with good drawdown properties, LL 3002.32 resin is a versatile packaging film resin. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LL-300232-Cast-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 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	7.93 MPa	1150 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	7.38 MPa	1070 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	440 %	440 %	ASTM D882
Film Elongation at Break, TD	840 %	840 %	ASTM D882
Puncture Energy	3.28 J	2.42 ft-lb	ExxonMobil
Elmendorf Tear Strength, MD	11.32 g/micron	287.5 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	36.91 g/micron	937.5 g/mil	ASTM D1922
Dart Drop	3.94 g/micron	100 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	64.0 MPa	9280 psi	ASTM D882
Film Tensile Strength at Break, TD	41.2 MPa	5980 psi	ASTM D882
1% Secant Modulus, MD	110 MPa	15900 psi	ASTM D882
1% Secant Modulus, TD	123 MPa	17900 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	124 °C	255 °F	Peak Melting Temperature; ExxonMobil Method
Crystallization Temperature	109 °C	228 °F	ASTM D3418

Optical Properties	Metric	English	Comments
Haze	1.6 %	1.6 %	ASTM D1003
Gloss	91 %	91 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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