

ExxonMobil LL 3402.48 Cast Film Resin (discontinued **)

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

Material Notes:

LL 3402.48 is a hexene medium density polyethylene cast film grade for applications requiring high strength and high stiffness. It can also be used in blown films. Films produced from this resin exhibit good tensile and puncture resistance properties. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LL-340248-Cast-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.942 g/cc	0.0340 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	15.4 MPa	2240 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	16.4 MPa	2380 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	540 %	540 %	ASTM D882
Film Elongation at Break, TD	850 %	850 %	ASTM D882
Puncture Energy	1.24 J	0.917 ft-lb	ExxonMobil
Elmendorf Tear Strength, MD	0.984 g/micron	25.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	14.27 g/micron	362.5 g/mil	ASTM D1922
Dart Drop	<= 2.46 g/micron	<= 62.5 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	62.5 MPa	9070 psi	ASTM D882
Film Tensile Strength at Break, TD	40.5 MPa	5870 psi	ASTM D882
1% Secant Modulus, MD	378 MPa	54800 psi	ASTM D882
1% Secant Modulus, TD	423 MPa	61400 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	128 °C	262 °F	Peak Melting Temperature; ExxonMobil Method
Crystallization Temperature	115 °C	239 °F	ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	3.6 %	3.6 %	ASTM D1003
Gloss	82 %	82 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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