

ExxonMobil LL 3105.50 Premium High Strength Film Resin (discontinued **)

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

Material Notes:

LL 3150.32 is a hexene copolymer LLDPE film resin for blown film. Films produced from this resin have excellent tensile and toughness properties, as well as improved stiffness. Combined with good drawability properties, this 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-310550-Premium-High-Strength-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	ExxonMobil Method
Thickness	25.4 microns	1.00 mil	
Melt Flow	0.50 g/10 min	0.50 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	10.8 MPa	1560 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	12.1 MPa	1750 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	460 %	460 %	ASTM D882
Film Elongation at Break, TD	760 %	760 %	ASTM D882
Puncture Energy	3.39 J	2.50 ft-lb	ExxonMobil
Elmendorf Tear Strength, MD	16.1 g/micron	410 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	30.3 g/micron	770 g/mil	ASTM D1922
Dart Drop	5.91 g/micron	150 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	69.50 MPa	10080 psi	ASTM D882
Film Tensile Strength at Break, TD	55.1 MPa	7990 psi	ASTM D882
1% Secant Modulus, MD	237 MPa	34400 psi	ASTM D882
1% Secant Modulus, TD	292 MPa	42400 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	124 °C	255 °F	Peak Melting Temperature; ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	12.9 %	12.9 %	ASTM D1003
Gloss	51 %	51 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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