

ExxonMobil LL 3201.22 Premium High Strength Film Resin (discontinued **)

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

Material Notes:

LL 3201 resins are hexene copolymer LLDPE film resins. Films produced from these resins have excellent tensile, toughness and stiffness properties. These strength properties, along with good drawdown capability, permit usage in many demanding packaging applications. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LL-320122-Premium-High-Strength-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.925 g/cc	0.0334 lb/in ³	ExxonMobil Method
Thickness	38.1 microns	1.50 mil	
Melt Flow	0.80 g/10 min	0.80 g/10 min	ASTM D1238
Antiblock Level	4500 ppm	4500 ppm	
Slip Level	1000 ppm	1000 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	13.0 MPa	1890 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	15.0 MPa	2170 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	610 %	610 %	ASTM D882
Film Elongation at Break, TD	710 %	710 %	ASTM D882
Puncture Energy	3.22 J	2.37 ft-lb	ExxonMobil
Elmendorf Tear Strength, MD	7.09 g/micron	180 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	24.8 g/micron	630 g/mil	ASTM D1922
Dart Drop	4.53 g/micron	115 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	55.5 MPa	8050 psi	ASTM D882
Film Tensile Strength at Break, TD	45.0 MPa	6520 psi	ASTM D882
1% Secant Modulus, MD	286 MPa	41500 psi	ASTM D882
1% Secant Modulus, TD	347 MPa	50400 psi	ASTM D882

Thermal Properties	Metric	English	Comments
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Melting Point Thermal Properties	125 °C Metric	257 °F English	Peak Melting Temperature; DSC Method
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Optical Properties	Metric	English	Comments
Haze	15 %	15 %	ASTM D1003
Gloss	50 %	50 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China