

ExxonMobil LLDPE LL 1001.32 Linear Low Density Polyethylene Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE

Material Notes:

Product Description: LL 1001.32 is a butane LLDPE resin. Films made from LL 1001.32 have very good tensile and toughness

properties.Availability: Latin America, North America and South America Additive: Antiblock: NoSlip: NoProcessing Aid: NoThermal

Stabilizer: YesApplications: Cast FilmCast Stretch FilmIndustrial LinersLinersProduce BagsRefuse BagsTrash BagsInformation provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LLDPE-LL-100132-Linear-Low-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ExxonMobil method
Melt Flow	1.0 g/10 min @Load 2.16 kg, Temperature 190 °C	1.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	8.27 MPa	1200 psi	ASTM D882
Film Tensile Strength at Yield, TD	7.58 MPa	1100 psi	ASTM D882
Film Elongation at Break, MD	350 %	350 %	ASTM D882
Film Elongation at Break, TD	810 %	810 %	ASTM D882
Puncture Energy	2.82 J	2.08 ft-lb	ExxonMobil Method
Elmendorf Tear Strength MD	20 g	20 g	ASTM D1922
Elmendorf Tear Strength TD	460 g	460 g	ASTM D1922
Dart Drop Test	60.0 g	0.132 lb	ASTM D1709A
Film Tensile Strength at Break, MD	66.2 MPa	9600 psi	ASTM D882
Film Tensile Strength at Break, TD	28.3 MPa	4100 psi	ASTM D882
1% Secant Modulus, MD	110 MPa	16000 psi	ASTM D882
1% Secant Modulus, TD	131 MPa	19000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 250 °C	<= 482 °F	Peak Melting Point; ExxonMobil method

Optical Properties	Metric	English	Comments
Haze	1.7 %	1.7 %	ASTM D1003
Gloss	90 %	90 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Puncture Force	9 lbf	ExxonMobil Method

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