

ExxonMobil LLDPE LL 3001.32 Cast Linear Low Density Polyethylene Resin

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

Material Notes:

Product Description: LL 3001.32 is a hexane copolymer LLDPE designed for the blown or cast film process. Films made from LL 3001.32 have outstanding tensile and toughness properties. The superior strength properties, along with excellent drawability, make this a very versatile packaging film resin.
Availability: Latin America, North America and South America
Additive: Antiblock: NoSlip: NoProcessing Aid:
No Thermal Stabilizer: Yes
Applications: Freezer Film Heavy Duty Bags Ice Bags Trash Bags
 Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LLDPE-LL-300132-Cast-Linear-Low-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 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	340 %	340 %	ASTM D882
Film Elongation at Break, TD	790 %	790 %	ASTM D882
Puncture Energy	3.28 J	2.42 ft-lb	ExxonMobil Method
Elmendorf Tear Strength MD	300 g	300 g	ASTM D1922
Elmendorf Tear Strength TD	750 g	750 g	ASTM D1922
Dart Drop Test	80.0 g	0.176 lb	ASTM D1709A
Film Tensile Strength at Break, MD	66.2 MPa	9600 psi	ASTM D882
Film Tensile Strength at Break, TD	37.9 MPa	5500 psi	ASTM D882
1% Secant Modulus, MD	117 MPa	17000 psi	ASTM D882
1% Secant Modulus, TD	145 MPa	21000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 255 °C	<= 491 °F	Peak Melting Point; ExxonMobil method

Optical Properties	Metric	English	Comments
Haze	2.2 %	2.2 %	ASTM D1003
Gloss	89 %	89 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Puncture Force	9 lbf	ExxonMobil Method

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