

ExxonMobil LLDPE LL 3201.69 Linear Low Density Polyethylene Resin

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

Material Notes:

Product Description: LL 3201 resins are LLDPE hexane copolymer film resins. Films made from LL 3201 resins have outstanding tensile, stiffness and toughness properties. These superior properties, along with good drawdown capability, permit usage in many demanding packing applications.
Availability: Latin America, North America and South America
Additive: Antiblock: NoSlip: NoProcessing Aid: Yes
Thermal Stabilizer: Yes
Applications: Freezer FilmGrocery SacksHeavy Duty BagsMerchandise Bags
Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LLDPE-LL-320169-Linear-Low-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.926 g/cc	0.0335 lb/in ³	ExxonMobil method
Melt Flow	0.80 g/10 min @Load 2.16 kg, Temperature 190 °C	0.80 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	11.7 MPa	1700 psi	ASTM D882
Film Tensile Strength at Yield, TD	13.8 MPa	2000 psi	ASTM D882
Film Elongation at Break, MD	510 %	510 %	ASTM D882
Film Elongation at Break, TD	810 %	810 %	ASTM D882
Puncture Energy	2.94 J	2.17 ft-lb	ExxonMobil Method
Elmendorf Tear Strength MD	140 g	140 g	ASTM D1922
Elmendorf Tear Strength TD	780 g	780 g	ASTM D1922
Dart Drop Test	110 g	0.243 lb	ASTM D1709A
Film Tensile Strength at Break, MD	61.4 MPa	8900 psi	ASTM D882
Film Tensile Strength at Break, TD	48.3 MPa	7000 psi	ASTM D882
1% Secant Modulus, MD	234 MPa	34000 psi	ASTM D882
1% Secant Modulus, TD	283 MPa	41000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 257 °C	<= 495 °F	Peak Melting Point; ExxonMobil method

Optical Properties	Metric	English	Comments
Haze	11 %	11 %	ASTM D1003
Gloss	57 %	57 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Puncture Force	10 lbf	ExxonMobil Method

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