ExxonMobil LL 3201.36 Premium High Strength Film Resin

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

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: 5000 ppmSlip: NoProcessing Aid: Yes Thermal Stabilizer: YesApplications: Freezer FilmGrocery SacksHeavy Duty BagsMerchandise Bags Information provided by ExxonMobil Chemical

Order this product through the following link:
http://www.lookpolymers.com/polymer_ExxonMobil-LL-320136-Premium-High-Strength-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.926 g/cc	0.0335 lb/in³	ExxonMobil Method
Thickness	38.1 microns	1.50 mil	
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
Antiblock Level	5000 ppm	5000 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	11.7 MPa	1700 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	13.8 MPa	2000 psi	at 2% offset; 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
Elmendorf Tear Strength, MD	5.51 g/micron	140 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	30.7 g/micron	780 g/mil	ASTM D1922
Dart Drop	45.3 g/micron	1150 g/mil	ASTM D1709
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	125 °C	257 °F	Peak Melting Temperature; ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	15 %	15 %	ASTM D1003
Gloss	57 %	57 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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