

ExxonMobil LL 1001x72 Blown Film Resin

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

Material Notes:

Product Description: LL 1001 are butane LLDPE blown film resins having good draw down. Films made from LL 1001 resins exhibit good tensile and toughness properties. Availability: Latin America, North America and South America Additive: Antiblock: 5000 ppmSlip: 850 ppmProcessing Aid: NoThermal Stabilizer: YesApplications: Agricultural FilmBag in BoxBarrier Food PackagingBlown FilmBread BagsFood packagingForm Fill and Seal PackagingFreezer FilmGarment FilmGeneral PackagingHeavy Duty BagsIce BagsIndustrial LinersIndustrial PackagingLamination FilmLinersMultilayer Packaging FilmPackaging FilmsProduce BagsRefuse BagsShoppersStand Up PouchesTrash Bags Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LL-1001x72-Blown-Film-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
Antiblock Level	5000 ppm	5000 ppm	
Slip Level	850 ppm	850 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	9.65 MPa	1400 psi	ASTM D882
Film Tensile Strength at Yield, TD	9.65 MPa	1400 psi	ASTM D882
Film Elongation at Break, MD	580 %	580 %	ASTM D882
Film Elongation at Break, TD	850 %	850 %	ASTM D882
Puncture Energy	3.13 J	2.31 ft-lb	ExxonMobil
Elmendorf Tear Strength, MD	3.15 g/micron	80.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	15.7 g/micron	400 g/mil	ASTM D1922
Dart Drop	4.09 g/micron	104 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	53.1 MPa	7700 psi	ASTM D882
Film Tensile Strength at Break, TD	35.3 MPa	5120 psi	ASTM D882
1% Secant Modulus, MD	193 MPa	28000 psi	ASTM D882
1% Secant Modulus, TD			ASTM D882

Mechanical Properties	223 MPa Metric	32300 psi English	Comments
Thermal Properties	Metric	English	Comments
Melting Point	121 °C	249 °F	Peak Melting Temperature; ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	15.3 %	15.3 %	ASTM D1003
Gloss	45 %	45 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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