ExxonMobil LLDPE LL 1001X26 Linear Low Density Polyethylene Resin

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

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: NoSlip: NoProcessing Aid: YesThermal 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 BagsInformation provided by ExxonMobil

Order this product through the following link:
http://www.lookpolymers.com/polymer_ExxonMobil-LLDPE-LL-1001X26-Linear-Low-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in³	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	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	3.16 J	2.33 ft-lb	ExxonMobil Method
Elmendorf Tear Strength MD	80 g	80 g	ASTM D1922
Elmendorf Tear Strength TD	400 g	400 g	ASTM D1922
Dart Drop Test	100 g	0.221 lb	ASTM D1709A
Film Tensile Strength at Break, MD	53.1 MPa	7700 psi	ASTM D882
Film Tensile Strength at Break, TD	35.2 MPa	5100 psi	ASTM D882
1% Secant Modulus, MD	193 MPa	28000 psi	ASTM D882
1% Secant Modulus, TD	221 MPa	32000 psi	ASTM D882

Thermal Properties	Metric	English	Comments

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

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

Descriptive Properties	Value	Comments
Puncture Force	10 lbf	ExxonMobil Method

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