

ExxonMobil LL 1002.09 Blown Film Resin

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

Material Notes:

Product Description: LL 1002 resins are butane LLDPE designed for the blown film process. Films made from LL 1002 resins have very good tensile and toughness properties. LL 1002.09 is a granular material which, while it can be used for film production, is also suitable for compounding.
Availability: Latin America, North America and South America
Additive: Antiblock: NoSlip: NoProcessing Aid: NoThermal Stabilizer: Yes
Applications: Agricultural FilmBag in BoxBlown FilmCast FilmFood packagingForm Fill and Seal PackagingFreezer FilmGarment FilmGeneral PackagingIndustrial Packaging LinersMulch FilmPackaging FilmsProduce Bags on a Roll Shoppers Trash Can Liners
 Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LL-100209-Blown-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ExxonMobil Method
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 190 °C	2.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	8.48 MPa	1230 psi	ASTM D882
Film Tensile Strength at Yield, TD	8.62 MPa	1250 psi	ASTM D882
Film Elongation at Break, MD	660 %	660 %	ASTM D882
Film Elongation at Break, TD	780 %	780 %	ASTM D882
Puncture Energy	1.11 J	0.817 ft-lb	ExxonMobil
Elmendorf Tear Strength, MD	4.72 g/micron	120 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	13.4 g/micron	340 g/mil	ASTM D1922
Dart Drop	2.76 g/micron	70.0 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	36.5 MPa	5300 psi	ASTM D882
Film Tensile Strength at Break, TD	26.2 MPa	3800 psi	ASTM D882
1% Secant Modulus, MD	177 MPa	25700 psi	ASTM D882
1% Secant Modulus, TD	196 MPa	28400 psi	ASTM D882

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments
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Optical Properties	Metric	English	Comments
Haze	28.7 %	28.7 %	ASTM D1003
Gloss	22 %	22 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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