ExxonMobil LL 1107x93 Blown Film Resin

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

Material Notes:

Product Description: LL 1107 resins are fractional melt index butane LLDPE blown film resins. Films made with LL 1107 resins have good stiffness and tensile strength. Theses resins' strength and drawability make them excellent for many film applications. Availability: Latin America, North America and South America Additive: Antiblock: 3500 ppmSlip: 1000 ppmProcessing Aid: Yes Thermal Stabilizer: YesApplications: Blown FilmGarment FilmProduce Bags Information provided by ExxonMobil Chemical

Order this product through the following link:
http://www.lookpolymers.com/polymer_ExxonMobil-LL-1107x93-Blown-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.922 g/cc	0.0333 lb/in³	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
Antiblock Level	3500 ppm	3500 ppm	
Slip Level	1000 ppm	1000 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	10.2 MPa	1480 psi	ASTM D882
Film Tensile Strength at Yield, TD	11.0 MPa	1600 psi	ASTM D882
Film Elongation at Break, MD	520 %	520 %	ASTM D882
Film Elongation at Break, TD	690 %	690 %	ASTM D882
Puncture Energy	1.05 J	0.775 ft-lb	ExxonMobil
Elmendorf Tear Strength, MD	2.76 g/micron	70.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	17.3 g/micron	440 g/mil	ASTM D1922
Dart Drop	2.36 g/micron	60.0 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	45.8 MPa	6640 psi	ASTM D882
Film Tensile Strength at Break, TD	27.2 MPa	3940 psi	ASTM D882
1% Secant Modulus, MD	230 MPa	33400 psi	ASTM D882
1% Secant Modulus, TD	261 MPa	37800 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	123 °C	253 °F	Peak Melting Temperature; ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	18.4 %	18.4 %	ASTM D1003
Gloss	46 %	46 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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