ExxonMobil Exceed™ 3518 PA Premium Cast Film Resin

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

Material Notes:

Exceed 3518 resins are hexene copolymer produced using ExxonMobil Chemicals Exxpol® Technology. Films made from 3518 resins have outstanding tensile properties and impact and puncture toughness. These superior properties, along with excellent drawability, make these resins versatile for both monolayer and multilayer cast packaging film.Availability: Latin America, North America and South AmericaAdditive: Antiblock: NoSlip: NoProcessing Aid: NoThermal Stabilizer: YesApplications: Bag in BoxBarrier Food PackagingBlown FilmCast Film Cast Stretch FilmDiaper BacksheetFood PackagingForm Fill and Seal PackagingHygiene FilmPackaging FimsPersonal Care Information provided by ExxonMobil Chemical

Order this product through the following link:
http://www.lookpolymers.com/polymer_ExxonMobil-Exceed-3518-PA-Premium-Cast-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in³	ExxonMobil Method
Thickness	20.3 microns	0.800 mil	
Melt Flow	3.5 g/10 min	3.5 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	8.27 MPa	1200 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	7.58 MPa	1100 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	510 %	510 %	ASTM D882
Film Elongation at Break, TD	680 %	680 %	ASTM D882
Puncture Energy	4.30 J	3.17 ft-lb	Exxon Mobil Method
Elmendorf Tear Strength MD	190 g	190 g	ASTM D1922
Elmendorf Tear Strength TD	500 g	500 g	ASTM D1922
Elmendorf Tear Strength, MD	9.350 g/micron	237.5 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	24.6 g/micron	625 g/mil	ASTM D1922
Dart Drop	6.89 g/micron	175 g/mil	ASTM D1709
Dart Drop Test	140 g	0.309 lb	ASTM D1709
Film Tensile Strength at Break, MD	73.8 MPa	10700 psi	ASTM D882
Film Tensile Strength at Break, TD	46.7 MPa	6770 psi	ASTM D882
1% Secant Modulus, MD	110 MPa	16000 psi	ASTM D882

Mechanical Properties	Metric	English	Comments
1% Secant Modulus, TD	124 MPa	18000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	114 °C	237 °F	Peak Melting Temperature; ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	2.4 %	2.4 %	ASTM D1003
Gloss	86 %	86 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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