

ExxonMobil Exceed™ 3512CB Film Resin

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE , Very Low Density Polyethylene (VLDPE)

Material Notes:

Exceed 3512CB resin is a hexene copolymer produced using ExxonMobil Chemicals Exxpol® Technology. Films made from 3512CB resin have outstanding cold temperature toughness, impact strength and puncture. These superior strength properties, along with excellent heat sealing and hot tack performance, make this a versatile packaging resin. Availability: Latin America, North America and South America Additive: Antiblock: NoSlip: NoProcessing Aid: NoThermal Stabilizer: Yes Applications: Bag in BoxBarrier Food PackagingBlown FilmCast Film Food PackagingForm Fill and Seal PackagingLamination FilmMultilayer Packaging FilmPackaging FimsPersonal CarePremium Trash BagsStand Up PouchesInformation provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exceed-3512CB-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.912 g/cc	0.0329 lb/in ³	ASTM D1505
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	7.52 MPa	1090 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	5.72 MPa	830 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	410 %	410 %	ASTM D882
Film Elongation at Break, TD	735 %	735 %	ASTM D882
Puncture Energy	4.64 J	3.42 ft-lb	Exxon Mobil Method
Elmendorf Tear Strength MD	120 g	120 g	ASTM D1922
Elmendorf Tear Strength TD	520 g	520 g	ASTM D1922
Elmendorf Tear Strength, MD	5.91 g/micron	150 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	25.6 g/micron	650 g/mil	ASTM D1922
Dart Drop	8.366 g/micron	212.5 g/mil	ASTM D1709
Dart Drop Test	170 g	0.375 lb	ASTM D1709
Film Tensile Strength at Break, MD	76.60 MPa	11110 psi	ASTM D882
Film Tensile Strength at Break, TD	49.2 MPa	7140 psi	ASTM D882
1% Secant Modulus, MD	80.53 MPa	11680 psi	ASTM D882

Mechanical Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments
Melting Point	113 °C	235 °F	Peak Melting Temperature; ExxonMobil Method
Crystallization Temperature	99.0 °C	210 °F	ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	1.6 %	1.6 %	ASTM D1003
Gloss	90 %	90 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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