

ExxonMobil Exceed™ 1518EC Tough Premium Film Resin (discontinued **)

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

Material Notes:

Exceed 1518EC resin is a hexene copolymer produced using ExxonMobil Chemicals EXXPOL® Technology. Films made from 1518EC resin have outstanding tensile, impact strength and puncture. These superior strength properties, along with excellent drawability, allow downgauging. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exceed-1518EC-Tough-Premium-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in³	ExxonMobil Method
Thickness	25.4 microns	1.00 mil	
Melt Flow	1.5 g/10 min	1.5 g/10 min	ExxonMobil Method
Antiblock Level	5000 ppm	5000 ppm	
Slip Level	800 ppm	800 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	8.96 MPa	1300 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	8.96 MPa	1300 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	500 %	500 %	ASTM D882
Film Elongation at Break, TD	570 %	570 %	ASTM D882
Puncture Energy	1.59 J	1.17 ft-lb	Exxon Mobil Method
Elmendorf Tear Strength, MD	12.6 g/micron	320 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	18.5 g/micron	470 g/mil	ASTM D1922
Dart Drop	21.3 g/micron	540 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	39.3 MPa	5700 psi	ASTM D882
Film Tensile Strength at Break, TD	32.4 MPa	4700 psi	ASTM D882
1% Secant Modulus, MD	179 MPa	26000 psi	ASTM D882
1% Secant Modulus, TD	185 MPa	26900 psi	ASTM D882

Thermal Properties	Metric	English	Comments
--------------------	--------	---------	----------

Melting Point Thermal Properties	119 °C Metric	246 °F English	Peak Melting Temperature; Extrapolated Method
-------------------------------------	------------------	-------------------	--

Optical Properties	Metric	English	Comments
Haze	21 %	21 %	ASTM D1003
Gloss	36 %	36 %	45°, MD; ASTM D2457
	40 %	40 %	45°, TD; ASTM D2457

Descriptive Properties	Value	Comments
Features	PPA and Thermal Stabilizer	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China