

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

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

Material Notes:

Exceed 1518CA resin is a hexene copolymer produced using ExxonMobil Chemicals EXXPOL® Technology. Films made from 1518CA resin have outstanding tensile, impact strength and puncture. These superior strength properties, along with excellent drawability, makes this resin a very versatile packaging film resin. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exceed-1518CA-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

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	9.31 MPa	1350 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	9.65 MPa	1400 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	580 %	580 %	ASTM D882
Film Elongation at Break, TD	700 %	700 %	ASTM D882
Puncture Energy	3.62 J	2.67 ft-lb	Exxon Mobil Method
Elmendorf Tear Strength, MD	12.6 g/micron	320 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	17.7 g/micron	450 g/mil	ASTM D1922
Dart Drop	15.4 g/micron	390 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	55.8 MPa	8100 psi	ASTM D882
Film Tensile Strength at Break, TD	55.8 MPa	8100 psi	ASTM D882
1% Secant Modulus, MD	182 MPa	26400 psi	ASTM D882
1% Secant Modulus, TD	134 MPa	19400 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	118 °C	244 °F	Peak Melting Temperature; ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	25 %	25 %	ASTM D1003
Gloss	27 %	27 %	45° , MD; ASTM D2457
	27 %	27 %	45° , TD; ASTM D2457

Descriptive Properties	Value	Comments
Features	PPA and Thermal Stabilizer	

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