ExxonMobil Exceed™ 1018CA Premium Blown Film Resin (discontinued **)

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

Material Notes:

Exceed 1018CA is a hexene copolymer produced using ExxonMobil Chemicals EXXPOL® Technology. Films made from 1018CA have outstanding tensile, impact strength and puncture. These superior strength properties, along with excellent drawability, makes this 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-1018CA-Premium-Blown-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	1.0 g/10 min	1.0 g/10 min	ExxonMobil Method

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	9.65 MPa	1400 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	500 %	500 %	ASTM D882
Film Elongation at Break, TD	700 %	700 %	ASTM D882
Puncture Energy	4.30 J	3.17 ft-lb	Exxon Mobil Method
Elmendorf Tear Strength, MD	11.0 g/micron	280 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	18.1 g/micron	460 g/mil	ASTM D1922
Dart Drop	22.0 g/micron	560 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	75.8 MPa	11000 psi	ASTM D882
Film Tensile Strength at Break, TD	62.7 MPa	9100 psi	ASTM D882
1% Secant Modulus, MD	183 MPa	26600 psi	ASTM D882
1% Secant Modulus, TD	205 MPa	29700 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	119 °C	246 °F	Peak Melting Temperature; ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	18 %	18 %	ASTM D1003
Gloss	42 %	42 %	45°, MD; ASTM D2457
	42 %	42 %	45°, TD; ASTM D2457

Descriptive Properties	Value	Comments
Features	PPA and Thermal Stabilizer	

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