ExxonMobil Exceed™ 1018 EB Blown Film Resin (discontinued **)

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

Material Notes:

Exceed 1018 resins are hexene copolymer produced using ExxonMobil Chemicals Exxpol® Technology. Films made from 1018 resins have outstanding tensile properties and impact and puncture toughness. These superior strength properties, along with excellent drawability, allow downguaging in bag applications.Information provided by ExxonMobil Chemical

Order this product through the following link:
http://www.lookpolymers.com/polymer_ExxonMobil-Exceed-1018-EB-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	ASTM D1238
Antiblock Level	2500 ppm	2500 ppm	
Slip Level	750 ppm	750 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	8.27 MPa	1200 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	470 %	470 %	ASTM D882
Film Elongation at Break, TD	550 %	550 %	ASTM D882
Puncture Energy	1.80 J	1.33 ft-lb	Exxon Mobil Method
Elmendorf Tear Strength, MD	10.6 g/micron	270 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	17.3 g/micron	440 g/mil	ASTM D1922
Dart Drop	22.8 g/micron	580 g/mil	ASTM D1709A
Film Tensile Strength at Break, MD	45.5 MPa	6600 psi	ASTM D882
Film Tensile Strength at Break, TD	31.7 MPa	4600 psi	ASTM D882
1% Secant Modulus, MD	173 MPa	25100 psi	ASTM D882
1% Secant Modulus, TD	179 MPa	26000 psi	ASTM D882

Thermal Properties	Metric	English	Comments

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

Optical Properties	Metric	English	Comments
Haze	16 %	16 %	ASTM D1003
Gloss	42 %	42 %	45°, MD; ASTM D2457
	43 %	43 %	45°, TD; ASTM D2457

Descriptive Properties	Value	Comments
Features	PPA and Thermal Stabilizer	

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