

ExxonMobil Exceed™ 1018EB Metallocene Polyethylene Resin (European Grade)

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Product Description: Exceed 1018EB is a metallocene ethylene-hexene copolymers. Films are made of Exceed 1018EB have outstanding tensile, impact, puncture resistance and low temperature properties. Exceed 1018EB contains slip agent and antiblock, which makes it suitable for formulations which require good openability and a low friction coefficient. It is a ready-to-use versatile polymer for demanding mono layer and multi layer blown film applications. Availability: Africa & Middle East and Europe Additive: Antiblock: 2500 ppm Slip: 750 ppm Processing Aid: Yes Thermal Stabilizer: Yes Applications: Agricultural Film Bag in a Box Barrier Food Packaging Blown Film Bread Bags Food packaging Form Fill and Seal Packaging Freezer Film General Packaging Heavy Duty Bags Lamination Film Multilayer Packaging Film Overwrap Film Packaging Films Premium Trash Bags Stand Up Pouches Trash Bags Information provided by ExxonMobil

Order this product through the following link:
http://www.lookpolymers.com/polymer_ExxonMobil-Exceed-1018EB-Metallocene-Polyethylene-Resin-European-Grade.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in³	ExxonMobil method
Melt Flow	1.0 g/10 min	1.0 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
Antiblock Level	2500 ppm	2500 ppm	
Slip Level	750 ppm	750 ppm	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	440 %	440 %	ASTM D882
Film Elongation at Break, TD	510 %	510 %	ASTM D882
Elmendorf Tear Strength MD	230 g	230 g	ASTM D1922
Elmendorf Tear Strength TD	380 g	380 g	ASTM D1922
Dart Drop Test	750 g	1.65 lb	ASTM D1709
Film Tensile Strength at Break, MD	50.3 MPa	7300 psi	ASTM D882
Film Tensile Strength at Break, TD	35.2 MPa	5100 psi	ASTM D882
1% Secant Modulus, MD	179 MPa	26000 psi	ASTM D882
1% Secant Modulus, TD	179 MPa	26000 psi	ASTM D882

Thermal Properties	Metric	English	Comments

Melting Point Thermal Properties	<= 244 °C Metric	<= 471 °F English	Peak Melting Point; ExxonMobil Method
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Optical Properties	Metric	English	Comments
Haze	4.0 %	4.0 %	ASTM D1003
Gloss	13 %	13 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Puncture Force	17 lbf	ExxonMobil Method

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