

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

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Product Description: Exceed 1018 CA is a metallocene ethylene-hexene copolymers. Films are made of Exceed 1018CA have outstanding tensile, puncture resistance and very good sealing properties. These superior properties together with excellent draw down make this a versatile polymer for mono layer and multi layer blown film applications.
Availability: Africa & Middle East and Europe
Additive:Antiblock:
NoSlip: No **Processing Aid:** Yes
Thermal Stabilizer: Yes
Applications:Agricultural Film Bag in a Box Barrier Food Packaging Blown Film Blown Stretch 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-1018CA-Metallocene-Polyethylene-Resin-European-Grade.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ExxonMobil method
Melt Flow	1.0 g/10 min @Load 2.16 kg, Temperature 190 °C	1.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	560 %	560 %	ASTM D882
Film Elongation at Break, TD	680 %	680 %	ASTM D882
Puncture Energy	4.29 J	3.17 ft-lb	ExxonMobil Method
Elmendorf Tear Strength MD	230 g	230 g	ASTM D1922
Elmendorf Tear Strength TD	350 g	350 g	ASTM D1922
Dart Drop Test	1400 g	3.09 lb	ASTM D1709
Film Tensile Strength at Break, MD	82.7 MPa	12000 psi	ASTM D882
Film Tensile Strength at Break, TD	68.3 MPa	9900 psi	ASTM D882
1% Secant Modulus, MD	172 MPa	25000 psi	ASTM D882
1% Secant Modulus, TD	179 MPa	26000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 244 °C	<= 471 °F	Peak Melting Point; ExxonMobil method

Optical Properties	Metric	English	Comments
Haze	3.0 %	3.0 %	ASTM D1003
Gloss	14 %	14 %	45°; ASTM D2457

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