

ExxonMobil Exceed™ 1018HA Metallocene Polyethylene Resin

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Product Description: Exceed 1018HA is a metallocene ethylene-hexene copolymer. Films made from Exceed 1018HA have outstanding tensile, impact strength and puncture. These superior strength properties, along with excellent drawability, makes this a very versatile packaging film. Availability: Latin America, North America and South AmericaAdditive:Antiblock: NoSlip: NoProcessing Aid: YesThermal Stabilizer: YesApplications:Agricultural FilmBag in BoxBarrier Food PackagingBlown FilmBlown Stretch FilmBread BagsFood packagingForm Fill and Seal PackagingFreezer FilmGeneral PackagingHeavy Duty Bags Lamination FilmMultilayer Packaging FilmOverwrap FilmPackaging FilmsPremium Trash Bags Stand Up PouchesTrash Bags Information provided by ExxonMobil

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

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in³	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 Tensile Strength at Yield, MD	9.65 MPa	1400 psi	ASTM D882
Film Tensile Strength at Yield, TD	9.65 MPa	1400 psi	ASTM D882
Film Elongation at Break, MD	480 %	480 %	ASTM D882
Film Elongation at Break, TD	640 %	640 %	ASTM D882
Puncture Energy	3.95 J	2.92 ft-lb	ExxonMobil Method
Elmendorf Tear Strength MD	250 g	250 g	ASTM D1922
Elmendorf Tear Strength TD	430 g	430 g	ASTM D1922
Dart Drop Test	590 g	1.30 lb	ASTM D1709
Film Tensile Strength at Break, MD	58.6 MPa	8500 psi	ASTM D882
Film Tensile Strength at Break, TD	53.1 MPa	7700 psi	ASTM D882
1% Secant Modulus, MD	186 MPa	27000 psi	ASTM D882
1% Secant Modulus, TD	200 MPa	29000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments
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Optical Properties	Metric	English	Comments
Haze	29 %	29 %	ASTM D1003
Gloss	28 %	28 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Puncture Force	11 lbf	ExxonMobil Method

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