

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

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Product Description: Exceed 1018HA is a metallocene ethylene-hexene copolymers. Films are made of Exceed 1018HA have outstanding tensile, impact strength and puncture. These superior strength properties, along with excellent drawability, make this a very versatile packaging film resin. **Availability:** Africa & Middle East, Asia Pacific and Europe **Additive:**Antiblock: NoSlip: No Processing Aid: Yes **Thermal Stabilizer:** Yes **Applications:**Agricultural FilmBag in a BoxBarrier Food Packaging Blown FilmBlown Stretch FilmBread Bags Food packagingForm Fill and Seal PackagingFreezer FilmGeneral PackagingHeavy Duty BagsLamination FilmMultilayer Packaging FilmOverwrap FilmPackaging FilmsPremium Trash BagsStand 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-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 @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
Elmendorf Tear Strength MD	250 g	250 g	ASTM D1922
Elmendorf Tear Strength TD	430 g	430 g	ASTM D1922
Dart Drop Test	810 g	1.79 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
Melting Point	<= 245 °C	<= 473 °F	Peak Melting Point; ExxonMobil method

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

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