

ExxonMobil Exceed™ 1518HA Metallocene Polyethylene Resin

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Product Description: Exceed 1518HA is a metallocene ethylene-hexene copolymer. Films made from Exceed 1518HA 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 America **Additive:**Antiblock: NoSlip: NoProcessing Aid: Yes **Thermal Stabilizer:** Yes **Applications:** Bag in BoxBarrier Food PackagingBlown FilmBlown Stretch FilmFood packaging Form Fill and Seal Packaging General PackagingHeavy Duty Bags Ice Bags Packaging FilmsPremium Trash Bags Stand Up Pouches Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exceed-1518HA-Metallocene-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ExxonMobil method
Melt Flow	1.5 g/10 min @Load 2.16 kg, Temperature 190 °C	1.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	8.96 MPa	1300 psi	ASTM D882
Film Tensile Strength at Yield, TD	9.65 MPa	1400 psi	ASTM D882
Film Elongation at Break, MD	550 %	550 %	ASTM D882
Film Elongation at Break, TD	690 %	690 %	ASTM D882
Puncture Energy	4.07 J	3.00 ft-lb	ExxonMobil Method
Elmendorf Tear Strength MD	290 g	290 g	ASTM D1922
Elmendorf Tear Strength TD	420 g	420 g	ASTM D1922
Dart Drop Test	640 g	1.41 lb	ASTM D1709
Film Tensile Strength at Break, MD	63.4 MPa	9200 psi	ASTM D882
Film Tensile Strength at Break, TD	57.9 MPa	8400 psi	ASTM D882
1% Secant Modulus, MD	179 MPa	26000 psi	ASTM D882
1% Secant Modulus, TD	193 MPa	28000 psi	ASTM D882

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

Thermal Properties	Metric	English	^{method} Comments
Optical Properties	Metric	English	Comments
Haze	40 %	40 %	ASTM D1003
Gloss	20 %	20 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Puncture Force	11 lbf	ExxonMobil Method

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