

ExxonMobil Exceed™ 1518KC Metallocene Polyethylene Resin

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Product Description: Exceed 1518KC is a metallocene ethylene-hexene copolymer. Films made from Exceed 1518KC have outstanding tensile, impact strength and puncture. These superior strength properties, along with excellent drawability, allow downgauging.

Availability: Latin America, North America and South America
Additive:Antiblock: 5000 ppm
Slip: 800 ppm
Processing Aid: Yes
Thermal Stabilizer: Yes
Applications: Bag in Box
Barrier Food Packaging
Blown Film
Form Fill and Seal Packaging
General Packaging
Ice Bags Packaging
Films
Premium Trash Bags
Stand Up Pouches
 Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exceed-1518KC-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
Antiblock Level	5000 ppm	5000 ppm	
Slip Level	800 ppm	800 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	8.96 MPa	1300 psi	ASTM D882
Film Tensile Strength at Yield, TD	8.96 MPa	1300 psi	ASTM D882
Film Elongation at Break, MD	530 %	530 %	ASTM D882
Film Elongation at Break, TD	620 %	620 %	ASTM D882
Puncture Energy	1.81 J	1.33 ft-lb	ExxonMobil Method
Elmendorf Tear Strength MD	290 g	290 g	ASTM D1922
Elmendorf Tear Strength TD	440 g	440 g	ASTM D1922
Dart Drop Test	470 g	1.04 lb	ASTM D1709
Film Tensile Strength at Break, MD	53.8 MPa	7800 psi	ASTM D882
Film Tensile Strength at Break, TD	43.4 MPa	6300 psi	ASTM D882
1% Secant Modulus, MD	172 MPa	25000 psi	ASTM D882
1% Secant Modulus, TD	186 MPa	27000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 246 °C	<= 475 °F	Peak Melting Point; ExxonMobil method

Optical Properties	Metric	English	Comments
Haze	17 %	17 %	ASTM D1003
Gloss	40 %	40 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Puncture Force	8 lbf	ExxonMobil Method

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