

ExxonMobil Exceed™ 1327KD Metallocene Polyethylene Resin (European Grade)

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Product Description: Exceed 1327KD is a metallocene ethylene-hexene copolymer. It produces films which have high modulus whilst retaining good toughness. Additionally, Exceed 1327KD is fully formulated with slip and antiblock, giving a versatile ready-to-use polymer for applications such as form fill and seal. **Availability:** Africa & Middle East, Asia Pacific and Europe **Additive:** Antiblock: 750 ppm Slip: 1300 ppm **Processing Aid:** Yes **Thermal Stabilizer:** Yes **Applications:** Bag in a Box Barrier Food Packaging Blown Film Bread Bags Food packaging Form Fill and Seal Packaging General Packaging Industrial Packaging Multilayer Packaging Film Overwrap Film Packaging Films Premium Trash Bags Shrink Film Stand Up Pouches Trash Bags Zipper Bag Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exceed-1327KD-Metallocene-Polyethylene-Resin-European-Grade.php

Physical Properties	Metric	English	Comments
Density	0.927 g/cc	0.0335 lb/in ³	ExxonMobil method
Melt Flow	1.3 g/10 min @Load 2.16 kg, Temperature 190 °C	1.3 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Antiblock Level	750 ppm	750 ppm	
Slip Level	1300 ppm	1300 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	12.4 MPa	1800 psi	ASTM D882
Film Tensile Strength at Yield, TD	13.8 MPa	2000 psi	ASTM D882
Film Elongation at Break, MD	570 %	570 %	ASTM D882
Film Elongation at Break, TD	690 %	690 %	ASTM D882
Elmendorf Tear Strength MD	180 g	180 g	ASTM D1922
Elmendorf Tear Strength TD	500 g	500 g	ASTM D1922
Dart Drop Test	140 g	0.309 lb	ASTM D1709
Film Tensile Strength at Break, MD	51.7 MPa	7500 psi	ASTM D882
Film Tensile Strength at Break, TD	44.1 MPa	6400 psi	ASTM D882
1% Secant Modulus, MD	290 MPa	42000 psi	ASTM D882
1% Secant Modulus, TD	317 MPa	46000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 253 °C	<= 487 °F	Peak Melting Point; ExxonMobil method

Optical Properties	Metric	English	Comments
Haze	24 %	24 %	ASTM D1003
Gloss	33 %	33 %	45°; ASTM D2457

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