

## ExxonMobil Exceed™ 2018KB Metallocene Polyethylene Resin (European Grade)

Category : Polymer , Thermoplastic , Polyethylene (PE)

### Material Notes:

**Product Description:** Exceed 2018KB is a metallocene catalyzed ethylene-hexene copolymer. Films made from Exceed 2018KB have outstanding tensile, impact strength, and puncture. These superior strength properties, along with excellent drawability, makes this a very versatile packaging film resin. The higher melt index also makes this polymer ideally suited for blending into LDPE rich films. Availability: Africa & Middle East, Asia Pacific and Europe  
**Additive:**Antiblock: 2500 ppmSlip: 800 ppm Processing Aid: Yes Thermal Stabilizer: Yes  
**Applications:**Agricultural Film Bag in BoxBarrier Food PackagingBlown Film Bread BagsFood packagingForm Fill and Seal PackagingFreezer Film General Packaging Lamination Film Multilayer 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-2018KB-Metallocene-Polyethylene-Resin-European-Grade.php](http://www.lookpolymers.com/polymer_ExxonMobil-Exceed-2018KB-Metallocene-Polyethylene-Resin-European-Grade.php)

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in <sup>3</sup>	ExxonMobil method
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 190 °C	2.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Antiblock Level	2500 ppm	2500 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	9.65 MPa	1400 psi	ASTM D882
Film Elongation at Break, MD	570 %	570 %	ASTM D882
Film Elongation at Break, TD	630 %	630 %	ASTM D882
Elmendorf Tear Strength MD	320 g	320 g	ASTM D1922
Elmendorf Tear Strength TD	500 g	500 g	ASTM D1922
Dart Drop Test	600 g	1.32 lb	ASTM D1709
Film Tensile Strength at Break, MD	51.0 MPa	7400 psi	ASTM D882
Film Tensile Strength at Break, TD	44.1 MPa	6400 psi	ASTM D882
1% Secant Modulus, MD	179 MPa	26000 psi	ASTM D882
1% Secant Modulus, TD	186 MPa	27000 psi	ASTM D882

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

Optical Properties	Metric	English	Comments
Haze	12 %	12 %	ASTM D1003
Gloss	53 %	53 %	45°; ASTM D2457

## Contact Songhan Plastic Technology Co.,Ltd.

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