

ExxonMobil Exceed™ 2018CA Metallocene Polyethylene Resin (European Grade)

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Product Description: Exceed 2018CA is a metallocene ethylene-hexene copolymer. The higher melt index makes this polymer ideally suited for blending into LDPE rich films as well as skin layer in coextrusion applications. **Availability:** Africa & Middle East and Europe
Additive:Antiblock: NoSlip: No Processing Aid: Yes **Thermal Stabilizer:** Yes **Applications:** Agricultural FilmBlown Film Blown Stretch FilmBread BagsCast FilmCast Stretch Film Food packagingFreezer FilmGeneral Packaging Heavy Duty Bags Hygiene filmLamination FilmMulch FilmMultilayer Packaging FilmPackaging Films
 Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exceed-2018CA-Metallocene-Polyethylene-Resin-European-Grade.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in³	ExxonMobil method
Melt Flow	2.0 g/10 min	2.0 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	600 %	600 %	ASTM D882
Film Elongation at Break, TD	730 %	730 %	ASTM D882
Elmendorf Tear Strength MD	300 g	300 g	ASTM D1922
Elmendorf Tear Strength TD	400 g	400 g	ASTM D1922
Dart Drop Test	1400 g	3.09 lb	ASTM D1709
Film Tensile Strength at Break, MD	75.8 MPa	11000 psi	ASTM D882
Film Tensile Strength at Break, TD	64.8 MPa	9400 psi	ASTM D882
1% Secant Modulus, MD	172 MPa	25000 psi	ASTM D882
1% Secant Modulus, TD	179 MPa	26000 psi	ASTM D882

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

Optical Properties	Metric	English	Comments
Haze	3.0 %	3.0 %	ASTM D1003

Gloss	13 %	13 %	45°- ASTM D2457
Optical Properties	Metric	English	Comments

Descriptive Properties	Value	Comments
Puncture Force	22 lbf	ExxonMobil Method

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