

ExxonMobil Exceed™ 3518CB Metallocene Polyethylene Resin (European Grade)

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Product Description: Exceed 3518CB is a metallocene ethylene-hexene copolymer. Films made of Exceed 3518CB grade have outstanding tensile, impact and puncture resistance properties. Furthermore, they are fully stabilized for cast mono and multi layer film production.
Availability: Africa & Middle East, Asia Pacific and Europe
Additive:Antiblock: NoSlip: No Thermal Stabilizer: Yes
Applications:Bag in a BoxBarrier Food PackagingBlown Film Cast FilmCast Stretch FilmDiaper BacksheetFood packagingForm Fill and Seal PackagingHygiene FilmPackaging FilmsPersonal Care Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exceed-3518CB-Metallocene-Polyethylene-Resin-European-Grade.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ExxonMobil method
Melt Flow	3.5 g/10 min @Load 2.16 kg, Temperature 190 °C	3.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	500 %	500 %	ASTM D882
Film Elongation at Break, TD	750 %	750 %	ASTM D882
Elmendorf Tear Strength MD	160 g	160 g	ASTM D1922
Elmendorf Tear Strength TD	460 g	460 g	ASTM D1922
Dart Drop Test	180 g	0.397 lb	ASTM D1709
Film Tensile Strength at Break, MD	89.6 MPa	13000 psi	ASTM D882
Film Tensile Strength at Break, TD	55.2 MPa	8000 psi	ASTM D882
1% Secant Modulus, MD	110 MPa	16000 psi	ASTM D882
1% Secant Modulus, TD	131 MPa	19000 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	2.0 %	2.0 %	ASTM D1003
Gloss	14 %	14 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Puncture Force	20 lbf	ExxonMobil Method

Descriptive Properties	Value	Comments
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