ExxonMobil Exceed™ 1023CA Metallocene Polyethylene Resin (European Grade)

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Product Description: Exceed 1023CA is a metallocene ethylene-hexene copolymers. The slightly higher stiffness of Exceed 1023CA makes it easier to process on certain filling machinery, whilst still keeping and excellent balance of toughness (tensile, impact and puncture resistance properties) and sealabilty. Availability: Africa & Middle East and EuropeAdditive:Antiblock: NoSlip: No Processing Aid: No Thermal Stabilizer: Yes Applications:Agricultural FilmBag in a BoxBarrier Food Packaging Blown FilmBlown Stretch FilmFood packagingForm Fill and Seal PackagingFreezer FilmGrocery SnacksHeavy Duty BagsLamination FilmMerchandise BagsMultilayer Packaging Film Packaging FilmsPremium Trash BagsShoppersSilage Stretch FilmStand Up Pouches Information provided by ExxonMobil

Order this product through the following link:
http://www.lookpolymers.com/polymer_ExxonMobil-Exceed-1023CA-Metallocene-Polyethylene-Resin-European-Grade.php

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in³	ExxonMobil method
Melt Flow	1.0 g/10 min @Load 2.16 kg, Temperature 190 °C	1.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	590 %	590 %	ASTM D882
Film Elongation at Break, TD	730 %	730 %	ASTM D882
Elmendorf Tear Strength MD	280 g	280 g	ASTM D1922
Elmendorf Tear Strength TD	430 g	430 g	ASTM D1922
Dart Drop Test	300 g	0.662 lb	ASTM D1709
Film Tensile Strength at Break, MD	75.8 MPa	11000 psi	ASTM D882
Film Tensile Strength at Break, TD	60.0 MPa	8700 psi	ASTM D882
1% Secant Modulus, MD	248 MPa	36000 psi	ASTM D882
1% Secant Modulus, TD	262 MPa	38000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 250 °C	<= 482 °F	Peak Melting Point; ExxonMobil method

Optical Properties	Metric	English	Comments
Haze	4.5 %	4.5 %	ASTM D1003

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

Descriptive Properties	Value	Comments
Puncture Force	22 lbf	ExxonMobil Method

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