

ExxonMobil Exceed™ 1012 MJ Metallocene Polyethylene Resin

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Product Description: Exceed 1012 mVLDPE resins are metallocene ethylene-hexene copolymers. Films made from Exceed 1012 mVLDPE resin have outstanding cold temperature toughness, impact strength and puncture. These superior strength properties, along with excellent heat sealing and hot tack performance, make this a very versatile packaging film resin. **Availability:** Latin America, North America and South America **Additive:** Antiblock: 4500 ppm **Slip:** No **Processing Aid:** Yes **Thermal Stabilizer:** Yes **Applications:** Bag in Box Barrier Food Packaging Blown Film Food packaging Form Fill and Seal Packaging Freezer Film Heavy Duty Bags Ice Bags Lamination Film Multilayer Packaging Film Stand Up Pouches Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exceed-1012-MJ-Metallocene-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.912 g/cc	0.0329 lb/in ³	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
Antiblock Level	4500 ppm	4500 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	6.89 MPa	1000 psi	ASTM D882
Film Tensile Strength at Yield, TD	7.58 MPa	1100 psi	ASTM D882
Film Elongation at Break, MD	460 %	460 %	ASTM D882
Film Elongation at Break, TD	580 %	580 %	ASTM D882
Puncture Energy	2.94 J	2.17 ft-lb	ExxonMobil Method
Elmendorf Tear Strength MD	210 g	210 g	ASTM D1922
Elmendorf Tear Strength TD	330 g	330 g	ASTM D1922
Dart Drop Test	500 g	1.10 lb	ASTM D1709
Film Tensile Strength at Break, MD	54.5 MPa	7900 psi	ASTM D882
Film Tensile Strength at Break, TD	48.3 MPa	7000 psi	ASTM D882
1% Secant Modulus, MD	117 MPa	17000 psi	ASTM D882
1% Secant Modulus, TD	131 MPa	19000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 242 °C	<= 468 °F	Peak Melting Point; ExxonMobil method

Optical Properties	Metric	English	Comments
Haze	15 %	15 %	ASTM D1003
Gloss	45 %	45 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Puncture Force	10 lbf	ExxonMobil Method

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China