

ExxonMobil EXACT™ 3132 Plastomer for Blown Film Applications

Category : Polymer , Film , Thermoplastic , Elastomer , TPE

Material Notes:

Product Description: Exact 3132 is an ethylene-based hexene plastomer produced using ExxonMobil Chemical's EXXPOL® Catalyst Technology. Exact 3132 is designed for both monolayer and multilayer blown film applications requiring outstanding sealability and toughness.

Availability: Latin America, North America and South America

Additive: Antiblock: NoSlip: No Thermal Stabilizer:

YesApplications: Blown Film Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-EXACT-3132-Plastomer-for-Blown-Film-Applications.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ExxonMobil Method
Thickness	31.8 microns	1.25 mil	
Melt Flow	1.2 g/10 min	1.2 g/10 min	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	4.96 MPa	720 psi	ASTM D882
Film Tensile Strength at Yield, TD	4.55 MPa	660 psi	ASTM D882
Film Elongation at Break, MD	480 %	480 %	ASTM D882
Film Elongation at Break, TD	630 %	630 %	ASTM D882
Film Elongation at Yield, MD	9.4 %	9.4 %	ASTM D882
Film Elongation at Yield, TD	8.4 %	8.4 %	ASTM D882
Puncture Energy	7.74 J	5.71 ft-lb	ExxonMobil Method
Elmendorf Tear Strength, MD	5.35 g/micron	136 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	8.82 g/micron	224 g/mil	ASTM D1922
Dart Drop	41.89 g/micron	1064 g/mil	ASTM D1709A
Film Tensile Strength at Break, MD	73.50 MPa	10660 psi	ASTM D882
Film Tensile Strength at Break, TD	73.84 MPa	10710 psi	ASTM D882
1% Secant Modulus, MD	73.1 MPa	10600 psi	ASTM D882
1% Secant Modulus, TD	77.2 MPa	11200 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	95.6 °C	204 °F	Peak Melting Temperature; ExxonMobil Method
Crystallization Temperature	79.0 °C	174 °F	ExxonMobil Method
Vicat Softening Point	87.8 °C	190 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	2.5 %	2.5 %	ASTM D1003
Gloss	80 %	80 %	ASTM D2457

Descriptive Properties	Value	Comments
Puncture Force	17 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