

ExxonMobil EXACT™ 3139 Plastomer for Cast Film Applications

Category : Polymer , Film , Thermoplastic , Elastomer , TPE

Material Notes:

Product Description: Exact 3139 is an ethylene-based hexene plastomer produced using ExxonMobil Chemical's EXXPOL® Catalyst Technology. Exact 3139 is designed for both monolayer and multilayer coextruded cast film applications requiring excellent toughness and heat seal performance. Typical applications include food packaging seal layers and lamination films. **Availability:** Latin America, North America and South America **Additive:** Antiblock: NoSlip: No Thermal Stabilizer: Yes **Applications:** Cast Film Lamination Film Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-EXACT-3139-Plastomer-for-Cast-Film-Applications.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ExxonMobil Method
Thickness	25.4 microns	1.00 mil	
Melt Flow	7.5 g/10 min	7.5 g/10 min	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	5.24 MPa	760 psi	ASTM D882
Film Tensile Strength at Yield, TD	4.48 MPa	650 psi	ASTM D882
Film Elongation at Break, MD	530 %	530 %	ASTM D882
Film Elongation at Break, TD	700 %	700 %	ASTM D882
Film Elongation at Yield, MD	10.2 %	10.2 %	ASTM D882
Film Elongation at Yield, TD	8.1 %	8.1 %	ASTM D882
Puncture Energy	5.29 J	3.90 ft-lb	ExxonMobil Method
Elmendorf Tear Strength, MD	13.8 g/micron	350 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	25.2 g/micron	640 g/mil	ASTM D1922
Dart Drop	9.45 g/micron	240 g/mil	ASTM D1709A
Film Tensile Strength at Break, MD	65.8 MPa	9540 psi	ASTM D882
Film Tensile Strength at Break, TD	55.6 MPa	8060 psi	ASTM D882
1% Secant Modulus, MD	67.6 MPa	9800 psi	ASTM D882
1% Secant Modulus, TD	75.8 MPa	11000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	94.4 °C	202 °F	Peak Melting Temperature; ExxonMobil Method
Crystallization Temperature	78.0 °C	172 °F	ExxonMobil Method
Vicat Softening Point	80.0 °C	176 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	0.50 %	0.50 %	ASTM D1003
Gloss	92 %	92 %	ASTM D2457

Descriptive Properties	Value	Comments
Puncture Force	11 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