

ExxonMobil EXACT™ 3128 Plastomer for Blown Film Applications

Category : Polymer , Film , Thermoplastic , Elastomer, TPE

Material Notes:

Product Description: Exact 3128 is an ethylene-based butene plastomer produced using ExxonMobil Chemical's EXXPOL® Catalyst Technology. It is designed for both monolayer and multilayer coextruded blown film applications requiring excellent toughness and good heat sealing performance. **Availability:** Latin America, North America and South America **Additive:** Antiblock: NoSlip: No Thermal Stabilizer: Yes **Applications:** Blown Film Cheese Packaging Lamination Film Meat Packaging Poultry Bag Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-EXACT-3128-Plastomer-for-Blown-Film-Applications.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in³	ExxonMobil Method
Thickness	31.8 microns	1.25 mil	
Melt Flow	1.3 g/10 min	1.3 g/10 min	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	4.83 MPa	700 psi	ASTM D882
Film Tensile Strength at Yield, TD	4.41 MPa	640 psi	ASTM D882
Film Elongation at Break, MD	560 %	560 %	ASTM D882
Film Elongation at Break, TD	750 %	750 %	ASTM D882
Film Elongation at Yield, MD	9.2 %	9.2 %	ASTM D882
Film Elongation at Yield, TD	7.9 %	7.9 %	ASTM D882
Puncture Energy	8.08 J	5.96 ft-lb	ExxonMobil Method
Elmendorf Tear Strength, MD	3.78 g/micron	96.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	6.93 g/micron	176 g/mil	ASTM D1922
Dart Drop	21.1 g/micron	536 g/mil	ASTM D1709A
Film Tensile Strength at Break, MD	60.4 MPa	8760 psi	ASTM D882
Film Tensile Strength at Break, TD	52.3 MPa	7580 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	92.2 °C	198 °F	Peak Melting Temperature; ExxonMobil Method
Crystallization Temperature	73.0 °C	163 °F	ExxonMobil Method
Vicat Softening Point	83.9 °C	183 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	3.5 %	3.5 %	ASTM D1003
Gloss	77 %	77 %	ASTM D2457

Descriptive Properties	Value	Comments
Puncture Force	16 lbf	ExxonMobil Method

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