

ExxonMobil EXACT™ 4150 Plastomer

Category : Polymer , Film , Thermoplastic , Elastomer, TPE , Thermoplastic Olefinic Elastomer (TPO), Film Grade , Polyethylene (PE)

Material Notes:

Product Description: Exact 4150 is an ethylene-based hexane plastomer produced using ExxonMobil Chemical's EXXPOL® Catalyst Technology. Exact 4150 is designed for multilayer coextruded cast film applications requiring low sealing temperatures, high oxygen transmission, and high toughness. Typical applications include seal layers for lamination films used in meat, poultry, and fresh produce packaging. **Availability:** Latin America, North America and South America **Additive:** Antiblock: NoSlip: No Thermal Stabilizer: Yes **Applications:** Cast Film Lamination Film Data provided by the manufacturer, Exxon Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-EXACT-4150-Plastomer.php

Physical Properties	Metric	English	Comments
Density	0.895 g/cc	0.0323 lb/in ³	Exxon Method
Thickness	20.3 microns	0.800 mil	
Melt Flow	3.5 g/10 min	3.5 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	4.76 MPa	690 psi	ASTM D882
Film Tensile Strength at Yield, TD	4.21 MPa	611 psi	ASTM D882
Film Elongation at Break, MD	470 %	470 %	ASTM D882
Film Elongation at Break, TD	660 %	660 %	ASTM D882
Film Elongation at Yield, MD	10 %	10 %	ASTM D882
Film Elongation at Yield, TD	9.0 %	9.0 %	ASTM D882
Secant Modulus, MD	0.0552 GPa	8.01 ksi	ASTM D882
Secant Modulus, TD	0.0593 GPa	8.60 ksi	ASTM D882
Puncture Energy	5.31 J	3.92 ft-lb	ExxonMobil Method
Elmendorf Tear Strength, MD	7.87 g/micron	200 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	17.2 g/micron	438 g/mil	ASTM D1922
Dart Drop	26.6 g/micron	675 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	75.8 MPa	11000 psi	ASTM D882
Film Tensile Strength at Break, TD	68.9 MPa	9990 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	89.0 °C	192 °F	Exxon Method
Crystallization Temperature	162 °C	324 °F	ExxonMobil Method
Vicat Softening Point	167 °C	333 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	0.10 %	0.10 %	ASTM D1003
Gloss	97 %	97 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Puncture Force	12 lbf	ExxonMobil Method

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