

## ExxonMobil Exact™ 4151 Ethylene-based Plastomer Resin

Category : Polymer , Thermoplastic , Elastomer, TPE

### Material Notes:

**Product Description:** Exact 4151 is an ethylene-based hexane plastomer produced using ExxonMobil Chemical's EXXPOL® Catalyst Technology. Exact 4151 is designed for both monolayer and multilayer coextrusion cast and blown 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 produce packaging. **Availability:** Latin America, North America and South America **Additive:** Antiblock: NoSlip: NoThermal Stabilizer: Yes **Applications:** Blown Film Lamination Film Information provided by ExxonMobil

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Exact-4151-Ethylene-based-Plastomer-Resin.php](http://www.lookpolymers.com/polymer_ExxonMobil-Exact-4151-Ethylene-based-Plastomer-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.895 g/cc	0.0323 lb/in <sup>3</sup>	ExxonMobil method
Melt Flow	2.2 g/10 min	2.2 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	4.21 MPa	610 psi	ASTM D882
Film Tensile Strength at Yield, TD	4.00 MPa	580 psi	ASTM D882
Film Elongation at Yield, MD	10 %	10 %	ASTM D882
Film Elongation at Yield, TD	9.0 %	9.0 %	ASTM D882
Puncture Energy	7.57 J	5.58 ft-lb	ExxonMobil Method
Elmendorf Tear Strength MD	220 g	220 g	ASTM D1922
Elmendorf Tear Strength TD	340 g	340 g	ASTM D1922
Dart Drop Test	1200 g	2.65 lb	ASTM D1709A
Film Tensile Strength at Break, MD	75.8 MPa	11000 psi	ASTM D882
Film Tensile Strength at Break, TD	68.9 MPa	10000 psi	ASTM D882
1% Secant Modulus, MD	55.8 MPa	8100 psi	ASTM D882
1% Secant Modulus, TD	60.7 MPa	8800 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 190 °C	<= 374 °F	Peak Melting Point; ExxonMobil method
Crystallization Temperature	<= 160 °C	<= 320 °F	Peak; ExxonMobil Method

Thermal Properties	Metric	English	Comments
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Optical Properties	Metric	English	Comments
Haze	5.1 %	5.1 %	ASTM D1003
Gloss	70 %	70 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Puncture Force	16 lbf	ExxonMobil Method

## Contact Songhan Plastic Technology Co.,Ltd.

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