

## ExxonMobil Exact™ 3040 Cast Ethylene-based Plastomer Resin

Category : Polymer , Thermoplastic , Elastomer, TPE

### Material Notes:

**Product Description:** Exact 3040 is an ethylene-based hexane copolymer produced using ExxonMobil Chemical's EXXPOL® Catalyst Technology. Exact 3040 is designed for monolayer and coextrusion cast film extrusion coating, and extrusion laminating applications. Typical applications include seal layers for packaging films. Availability: Latin America, North America and South America Additive: Antiblock: NoSlip: NoThermal Stabilizer: NoInformation provided by ExxonMobil

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Exact-3040-Cast-Ethylene-based-Plastomer-Resin.php](http://www.lookpolymers.com/polymer_ExxonMobil-Exact-3040-Cast-Ethylene-based-Plastomer-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ExxonMobil method
Melt Flow	17 g/10 min	17 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	5.17 MPa	750 psi	ASTM D882
Film Tensile Strength at Yield, TD	4.55 MPa	660 psi	ASTM D882
Film Elongation at Break, MD	610 %	610 %	ASTM D882
Film Elongation at Break, TD	770 %	770 %	ASTM D882
Secant Modulus, MD	0.0689 GPa	10.0 ksi	ASTM D882
Secant Modulus, TD	0.0758 GPa	11.0 ksi	ASTM D882
Puncture Energy	5.42 J	4.00 ft-lb	ExxonMobil Method
Elmendorf Tear Strength MD	330 g	330 g	ASTM D1922
Elmendorf Tear Strength TD	530 g	530 g	ASTM D1922
Dart Drop Test	100 g	0.221 lb	ASTM D1709A
Film Tensile Strength at Break, MD	55.2 MPa	8000 psi	ASTM D882
Film Tensile Strength at Break, TD	46.9 MPa	6800 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 203 °C	<= 397 °F	Peak Melting Point; ExxonMobil method
Crystallization Temperature	<= 174 °C	<= 345 °F	Peak; ExxonMobil Method

Vicat Softening Point Thermal Properties	77.2 °C Metric	171 °F English	ASTM D1525 Comments
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Optical Properties	Metric	English	Comments
Haze	0.30 %	0.30 %	ASTM D1003
Gloss	93 %	93 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Puncture Force	11 lbf	ExxonMobil Method

## Contact Songhan Plastic Technology Co.,Ltd.

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