

## ExxonMobil EXACT™ 4053 Plastomer for Film Applications

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

### Material Notes:

**Product Description:** Exact 4053 is an ethylene-based butene plastomer produced using ExxonMobil Chemical's EXXPOL® Catalyst Technology. This resin is designed primarily for use in blends with polyolefines to improve the heat sealing performance and/or toughness in film applications. Exact 4053 contains no antioxidants. **Availability:** Latin America, North America and South America **Additive:** Antiblock: NoSlip: No Thermal Stabilizer: NoApplications:Blend PartnerBlown Film Data provided by the manufacturer, Exxon Chemical.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-EXACT-4053-Plastomer-for-Film-Applications.php](http://www.lookpolymers.com/polymer_ExxonMobil-EXACT-4053-Plastomer-for-Film-Applications.php)

Physical Properties	Metric	English	Comments
Density	0.888 g/cc	0.0321 lb/in <sup>3</sup>	Exxon Method
Thickness	25.4 microns	1.00 mil	
Melt Flow	2.2 g/10 min	2.2 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	3.52 MPa	511 psi	ASTM D882
Film Tensile Strength at Yield, TD	3.10 MPa	450 psi	ASTM D882
Film Elongation at Break, MD	530 %	530 %	ASTM D882
Film Elongation at Break, TD	760 %	760 %	ASTM D882
Film Elongation at Yield, MD	10 %	10 %	ASTM D882
Film Elongation at Yield, TD	10 %	10 %	ASTM D882
Secant Modulus, MD	0.0669 GPa	9.70 ksi	ASTM D882
Secant Modulus, TD	0.0758 GPa	11.0 ksi	ASTM D882
Elmendorf Tear Strength, MD	1.97 g/micron	50.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	5.12 g/micron	130 g/mil	ASTM D1922
Dart Drop	5.51 g/micron	140 g/mil	ASTM D-1709
Film Tensile Strength at Break, MD	57.2 MPa	8300 psi	ASTM D882
Film Tensile Strength at Break, TD	49.6 MPa	7190 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	70.0 °C	158 °F	Peak Melting, Exxon Method

Thermal Properties	Metric	English	Comments
Optical Properties	Metric	English	Comments
Haze	1.6 %	1.6 %	ASTM D1003
Gloss	85 %	85 %	45; ASTM D-2457

## Contact Songhan Plastic Technology Co.,Ltd.

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