

Exact™ 9071 Plastomer

Ethylene Butene Copolymer

Product Description

Exact 9071 plastomer is an ethylene butene copolymer produced using ExxonMobil Chemical's proprietary metallocene catalyst technology. This resin is compatible with polyolefins like polypropylene (PP), polyethylene (PE) and ethylene-vinyl acetate copolymer resin (EVA).

Key Features

- EVA foam modification.
- PP / TPO modification.
- Low density.
- Low crystallinity.
- Free flowing pellets.

General

Availability ¹	▪ Asia Pacific
Revision Date	▪ 07/09/2014

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Density ²	0.870 g/cm ³	0.870 g/cm ³	ExxonMobil Method
Melt Index ² (190°C/2.16 kg)	0.54 g/10 min	0.54 g/10 min	ExxonMobil Method

Hardness	Typical Value (English)	Typical Value (SI)	Test Based On
Durometer Hardness (Shore A)	71	71	ASTM D2240

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Flexural Modulus - 1% Secant	2050 psi	14.1 MPa	ASTM D790

Elastomers	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at 100%	424 psi	2.92 MPa	ASTM D412
Tensile Strength at Break	628 psi	4.33 MPa	ASTM D412
Elongation at Break	560 %	560 %	ASTM D412

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	127 °F	52.8 °C	ExxonMobil Method
Peak Melting Temperature	118 °F	48 °C	ExxonMobil Method
Crystallization Peak, T _c	92 °F	33 °C	ExxonMobil Method
Glass Transition, T _g	-58 °F	-50 °C	ExxonMobil Method

Additional Information

All physical properties were measured from specimens cut from injection molded plaques (2 mm thick).

Legal Statement

This product, including the product name, shall not be used or tested in any medical application without the prior written acknowledgement of ExxonMobil Chemical as to the intended use.

For detailed Product Stewardship information, please contact Customer Service.

Notes

Typical properties: these are not to be construed as specifications.

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

² Property results are displayed in conventional unit of measure.

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For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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