

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.

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

