

Exact™ 9182 Plastomer

Ethylene Butene Copolymer

Product Description

Exact 9182 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.
- Low density.
- Low crystallinity.
- Free flowing pellets.

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Density ²	0.884 g/cm ³	0.884 g/cm ³	ExxonMobil Method
Melt Index ² (190°C/2.16 kg)	1.2 g/10 min	1.2 g/10 min	ExxonMobil Method
Hardness	Typical Value (English)	Typical Value (SI)	Test Based On
Durometer Hardness (Shore A)	87	87	ASTM D2240
Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Flexural Modulus - 1% Secant	5470 psi	37.7 MPa	ASTM D790
Elastomers	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at 100%	721 psi	4.97 MPa	ASTM D412
Tensile Strength at Break	1480 psi	10.2 MPa	ASTM D412
Elongation at Break	410 %	410 %	ASTM D412
Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	156 °F	68.9 °C	ExxonMobil Method
Peak Melting Temperature	156 °F	69 °C	ExxonMobil Method
Crystallization Peak, T _c	125 °F	52 °C	ExxonMobil Method
Glass Transition, T _g	-43 °F	-42 °C	ExxonMobil Method

