

Product Datasheet



Exact™ 9182

Plastomer

Product Description

Exact 9182 is an ethylene butene copolymer produced using ExxonMobil'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.

General

Availability ¹	▪ Asia Pacific
Revision Date	▪ 04/01/2017

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Density ²	0.885 g/cm ³	0.885 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)	86	86	ASTM D2240

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Flexural Modulus - 1% Secant	5600 psi	38.6 MPa	ASTM D790

Elastomers	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at 100%	695 psi	4.79 MPa	ASTM D412
Tensile Strength at Break	1400 psi	9.68 MPa	ASTM D412
Elongation at Break	440 %	440 %	ASTM D412

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	160 °F	71.3 °C	ExxonMobil Method
Peak Melting Temperature	156 °F	69 °C	ExxonMobil Method
Crystallization Peak, Tc	127 °F	53 °C	ExxonMobil Method
Glass Transition, Tg	-42 °F	-41 °C	ExxonMobil Method

Additional Information

All physical properties were measured on compression molded specimens.

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.

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

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