Exact™ 9182 plastomer

Ethylene Butene Copolymer

Product Description	Key Features
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).	• EVA foam modification • Low density • Low crystallinity • Free flowing pellets

General	
Availability [1]	• Asia Pacific
Revision Date	• 09/12/2013

Physical	Typical Value (English)		Typical Value (SI)		Test Based On
Density[2]	0.884	g/cm³	0.884	g/cm³	ExxonMobil Method
Melt Index (190°C/2.16 kg)[2]	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% Strain	721	psi	4.97	MPa	ASTM D412
Tensile Stress at Break	1479	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	ºF	68.9	ºC	ExxonMobil Method
Peak Melting Temperature	156	ºF	69	ºC	ExxonMobil Method
Crystallinity Peak, Tc	125	ºF	52	ºC	ExxonMobil Method
Glass Transition, Tg	-43	ºF	-42	ºC	ExxonMobil Method

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

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ExxonMobil Chemical Exact™ 9182 plastomer
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Additional Information

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

Legal Statement

For detailed Product Stewardship information, please contact Customer Service.

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.

Notes

[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] Results displayed in conventional unit of measure

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