ExxonMobil Signature Polymers

Exact™ 9162

Ethylene-based Plastomer Resin

Product Description

Exact™ 9162 is an ethylene butene copolymer produced using ExxonMobil's proprietary metallocene catalyst technology. It exhibits outstanding elastomeric properties including superior low temperature toughness. Exact™ 9162 is designed for modification of polypropylene and polyethylene in a wide range of applications such as compounding. This resin is compatible with polyolefins like polypropylene (PP), polyethylene (PE) and ethylene-vinyl acetate copolymer resin (EVA).

Key Features

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

General

Availability [1]	▪ Africa & Middle East ▪ Asia Pacific	▪ Europe ▪ Latin America	▪ North America
Applications	▪ Compounding and TPO ▪ General purpose elastomer	▪ Injection Molding ▪ Polymer Modification	
Form(s)	▪ Pellets		
Revision Date	▪ 04/19/2024		

Physical	Typical Value (English)		Typical Value (SI)		Test Based On
Density / Specific Gravity	0.862	g/cm³	0.862	g/cm³	ASTM D792
Melt Index (190°C/2.16 kg)	1.2	g/10 min	1.2	g/10 min	ExxonMobil Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.4	g/10 min	2.4	g/10 min	ExxonMobil Method

Hardness	Typical Value (English)	Typical Value (SI)	Test Based On
Durometer Hardness			ASTM D2240
Shore A	44	44	
Shore D	8	8	

Mechanical	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Stress	200	psi	1.4	MPa	ExxonMobil Method
Tensile Stress at 100% (73°F (23°C))	130	psi	0.90	MPa	ExxonMobil Method
Elongation at Break	604	%	604	%	ExxonMobil Method
Flexural Modulus - 1% Secant	590	psi	4.1	MPa	ASTM D790

Elastomers	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Stress at 300% (73°F (23°C))	174	psi	1.20	MPa	ExxonMobil Method
Tear Strength (Die C)	76.8	lbf/in	13.4	kN/m	ExxonMobil Method
Mooney Viscosity (ML 1+4, 257°F (125°C))	17	MU	17	MU	ExxonMobil Method

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Vicat Softening Temperature	101	°F	38.3	°C	ExxonMobil Method

Additional Information

All physical properties were measured on compression molded specimens.

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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. 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.

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

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