

Exact™ 9162

Ethylene-based Plastomer Resin

Product Description		Key Features	
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).		<ul style="list-style-type: none">▪ PP / TPO modification.▪ Low density.▪ Low crystallinity.▪ Free flowing pellets.▪ EVA foam modification.	
General			
Availability ¹	<ul style="list-style-type: none">▪ Africa & Middle East▪ Asia Pacific	<ul style="list-style-type: none">▪ Europe▪ Latin America	<ul style="list-style-type: none">▪ North America
Applications	<ul style="list-style-type: none">▪ Compounding and TPO▪ General purpose elastomer	<ul style="list-style-type: none">▪ Injection Molding▪ Polymer Modification	
Form(s)	<ul style="list-style-type: none">▪ Pellets		
Revision Date	<ul style="list-style-type: none">▪ 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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