

# Exact™ 9162

## Ethylene-based Plastomer Resin

Product Description		Key Features		
<p>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).</p>		<ul style="list-style-type: none"> <li>PP / TPO modification.</li> <li>Low density.</li> <li>Low crystallinity.</li> <li>Free flowing pellets.</li> <li>EVA foam modification.</li> </ul>		
General				
Availability <sup>1</sup>	<ul style="list-style-type: none"> <li>Africa &amp; Middle East</li> <li>Asia Pacific</li> </ul>	<ul style="list-style-type: none"> <li>Europe</li> <li>Latin America</li> </ul>	<ul style="list-style-type: none"> <li>North America</li> </ul>	
Applications	<ul style="list-style-type: none"> <li>Compounding and TPO</li> <li>General purpose elastomer</li> </ul>	<ul style="list-style-type: none"> <li>Injection Molding</li> <li>Polymer Modification</li> </ul>		
Form(s)	<ul style="list-style-type: none"> <li>Pellets</li> </ul>			
Revision Date	<ul style="list-style-type: none"> <li>04/19/2024</li> </ul>			
Physical				
	Typical Value (English)	Typical Value (SI)	Test Based On	
Density / Specific Gravity	0.862 g/cm <sup>3</sup>	0.862 g/cm <sup>3</sup>	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.

<sup>1</sup> 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](http://www.exxonmobilchemical.com/ContactUs)

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