

Vistamaxx™ Performance Polymer 6902

Propylene Elastomer

Product Description

Vistamaxx™ 6902 is primarily composed of isotactic propylene repeat units with random ethylene distribution, and is produced using ExxonMobil's proprietary metallocene catalyst technology.

Key Features

- Can be blended with PE, PP and other polymers, including styrenic block copolymers.
- Excellent adhesion to conventional and metallocene PP and PE.
- Good chemical resistance to aqueous systems and non-hydrocarbon based fluids.
- Enhanced flow characteristics while maintaining elasticity.
- RoHS compliant.

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 	<ul style="list-style-type: none"> Hot Melt Adhesives 	<ul style="list-style-type: none"> Polymer Modification
Uses	<ul style="list-style-type: none"> Adhesives 	<ul style="list-style-type: none"> Compounding 	
RoHS Compliance	<ul style="list-style-type: none"> RoHS Compliant 		
Form(s)	<ul style="list-style-type: none"> Pellets 		
Revision Date	<ul style="list-style-type: none"> 02/28/2022 		

Physical

	Typical Value (English)	Typical Value (SI)	Test Based On
Density ² (73°F (23°C))	0.869 g/cm ³	0.869 g/cm ³	ASTM D1505
Melt Index (190°C/2.16 kg)	43 g/10 min	43 g/10 min	ExxonMobil Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	100 g/10 min	100 g/10 min	ExxonMobil Method
Ethylene Content	12 wt%	12 wt%	ExxonMobil Method

Hardness

	Typical Value (English)	Typical Value (SI)	Test Based On
Durometer Hardness (Shore A)	76	76	ExxonMobil Method

Mechanical

	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at 100%	490 psi	3.4 MPa	ExxonMobil Method
Tensile Stress at 300%	520 psi	3.6 MPa	ExxonMobil Method
Tensile Strength at Break	> 1100 psi	> 7.6 MPa	ExxonMobil Method
Elongation at Break	> 900 %	> 900 %	ExxonMobil Method
Flexural Modulus - 1% Secant	5300 psi	37 MPa	ASTM D790B

Elastomers

	Typical Value (English)	Typical Value (SI)	Test Based On
Tear Strength (Die C)	260 lbf/in	45.5 kN/m	ExxonMobil Method

Thermal

	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	147 °F	64.1 °C	ExxonMobil Method

Additional Information

Please contact Customer Service for food law compliance information.

Legal Statement

This product, including the product name, shall not be used or tested in any medical application without prior written acknowledgement of ExxonMobil Chemical as to the intended use. For detailed Product Stewardship information, please contact Customer Service.

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Processing Statement

Vistamaxx polymers have a wide temperature processing window. A good starting point for temperatures is 10°C above the highest melting point. This material does not require drying and can be compounded or used in a dry blend. Use conventional processing knowledge to ensure mixing of the materials.

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 specified in conventional unit of measure.

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

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