

Vistamaxx™ 6502

Propylene-based Elastomer

Product Description		Key Features		
Vistamaxx 6502 propylene-based elastomer is an olefinic elastomer chiefly composed of isotactic propylene repeat units with random ethylene distribution, and is produced using ExxonMobil Chemical's proprietary metallocene catalyst technology.		<ul style="list-style-type: none"> • 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. • 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 • South America 	
Applications	<ul style="list-style-type: none"> • Compounding 	<ul style="list-style-type: none"> • Injection Molding 	<ul style="list-style-type: none"> • Polymer Modification 	
Uses	<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"> • 07/22/2014 			
Physical	Typical Value (English)	Typical Value (SI)	Test Based On	
Density ²	0.865 g/cm ³	0.865 g/cm ³	ASTM D1505	
Melt Index ² (190°C/2.16 kg)	20 g/10 min	20 g/10 min	ASTM D1238	
Melt Mass-Flow Rate (MFR) ² (230°C/2.16 kg)	48 g/10 min	48 g/10 min	ASTM D1238	
Ethylene Content	13 wt%	13 wt%	ExxonMobil Method	
Hardness	Typical Value (English)	Typical Value (SI)	Test Based On	
Durometer Hardness (Shore A)	71	71	ASTM D2240	
Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On	
Tensile Stress at 100%	394 psi	2.71 MPa	ASTM D638	
Tensile Stress at 300%	410 psi	2.83 MPa	ASTM D638	
Tensile Strength at Break	> 1400 psi	> 9.65 MPa	ASTM D638	
Tensile Set (73°F (23°C))	14 %	14 %	ExxonMobil Method	
Elongation at Break	> 1900 %	> 1900 %	ASTM D638	
Flexural Modulus - 1% Secant	2980 psi	20.5 MPa	ASTM D790	
Elastomers	Typical Value (English)	Typical Value (SI)	Test Based On	
Tear Strength (Die C)	220 lbf/in	38.4 kN/m	ASTM D624	
Thermal	Typical Value (English)	Typical Value (SI)	Test Based On	
Vicat Softening Temperature	125 °F	51.5 °C	ExxonMobil Method	

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

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ExxonMobil Chemical Vistamaxx™ 6502 Propylene-based Elastomer

Additional Information

Please contact Customer Service for the official food law certificates which provide more detailed information.

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.

Processing Statement

Vistamaxx propylene-based elastomer has 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

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:

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