



Vistamaxx™ 6502

Performance Polymer

Product Description

Vistamaxx 6502 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.
- RoHS compliant.

General

Availability ¹	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Applications	• Compounding	• Injection Molding	• Polymer Modification
Uses	• Compounding		
RoHS Compliance	• RoHS Compliant		
Form(s)	• Pellets		
Revision Date	• 01/01/2017		

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)	21 g/10 min	21 g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) ² (230°C/2.16 kg)	45 g/10 min	45 g/10 min	ExxonMobil Method
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%	402 psi	2.77 MPa	ASTM D638
Tensile Stress at 300%	425 psi	2.93 MPa	ASTM D638
Tensile Strength at Break	> 1100 psi	> 7.58 MPa	ASTM D638
Elongation at Break	> 800 %	> 800 %	ASTM D638
Flexural Modulus - 1% Secant	2960 psi	20.4 MPa	ASTM D790

Elastomers	Typical Value (English)	Typical Value (SI)	Test Based On
Tear Strength (Die C)	232 lbf/in	40.6 kN/m	ASTM D624

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	125 °F	51.4 °C	ExxonMobil Method C

Additional Information

Please contact Customer Service for food law compliance information.

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 please contact our sales representative

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