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/cm³	0.865	g/cm³	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	41.3	°F	5.14	°C	ExxonMobil Method

Additional Information

In accordance with FDA Food Contact Notification (FCN) 936, this product may be used as articles or component of articles used in contact with all food types under Conditions of Use C through G, as described in Table 2 of 21 CFR 176.170(c).

The base resin in this product is listed in the Chinese Positive List for allowed resins in food packaging materials (issued by China MoH, 11 Oct 2011) and additives that may be present in this product are authorized according to the National Standard of People's Republic of China GB9685-2008, Hygienic Standards for Uses of Additives in Food Containers and Packaging Materials.

EU Note: The composition of this product complies with the requirements for use in contact with food of EU Regulation 10/2011.

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

ExxonMobil

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Legal Statement

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.

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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