ExxonMobil Signature Polymers

Vistamaxx™ Performance Polymer 6502

Propylene Elastomer

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	• 07/14/2020		

Physical	Typical Value (English)		Typical Value (SI)		Test Based On
Density [2]	0.865	g/cm³	0.865	g/cm³	ExxonMobil Method
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		ExxonMobil Method

Mechanical	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Stress at 100%	400	psi	2.8	MPa	ExxonMobil Method
Tensile Stress at 300%	430	psi	2.9	MPa	ExxonMobil Method
Tensile Strength at Break	> 1100	psi	> 7.6	MPa	ExxonMobil Method
Elongation at Break	> 800	%	> 800	%	ExxonMobil Method
Flexural Modulus - 1% Secant	3000	psi	20	MPa	ExxonMobil Method

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

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

Additional Information

Please contact Customer Service for food law compliance information.

Legal Statement

ExxonMobil

Vistamaxx™ Performance Polymer 6502
Propylene Elastomer

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

exxonmobilchemical.com