ExxonMobil Signature Polymers

Vistamaxx™ Performance Polymer 6202

Propylene Elastomer

Product Description

Vistamaxx 6202 is primarily composed of isotactic propylene repeat units with random ethylene distribution, and is produced using ExxonMobil's proprietary metallocene catalyst technology. It has excellent elastomeric properties, is easy to process and is compatible with a wide variety of materials. It is particularly good for thermoplastic compounding which requires excellent filler dispersion and acceptance.

Key Features

- Suitable for a wide range of film and compounding applications which require high filler acceptance such as sound deadening sheets and masterbatches.
- Other typical applications include calendered or extruded sheet/ profiles and injection molded goods.
- Excellent adhesion to conventional or metallocene PP and PE.
- Very good elasticity and toughness.
- Very low seal initiation temperature combined with high seal strength when used as sealing layer of co-extruded structures.
- Very good chemical resistance and long term aging.
- Particularly good for thermoplastic and polyolefinic blends where a balance of flexibility, transparency and impact performance is required.
- RoHS compliant.

General

Availability [1]	▪ Africa & Middle East ▪ Asia Pacific	▪ Europe ▪ Latin America	▪ North America
Applications	▪ Calendered Profiles ▪ Calendered Sheeting ▪ Cast Film	▪ Extruded Profiles ▪ Extruded Sheeting ▪ Injection Molding	▪ PP/TPE Modification
Uses	▪ Compounding	▪ Film	▪ Packaging
RoHS Compliance	▪ RoHS Compliant		
Form(s)	▪ Pellets		
Revision Date	▪ 07/14/2020		

Physical	Typical Value (English)		Typical Value (SI)		Test Based On
Density [2]	0.862	g/cm³	0.862	g/cm³	ExxonMobil Method
Melt Index [2] (190°C/2.16 kg)	9.1	g/10 min	9.1	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) [2] (230°C/2.16 kg)	20	g/10 min	20	g/10 min	ExxonMobil Method
Ethylene Content	15	wt%	15	wt%	ExxonMobil Method

Hardness	Typical Value (English)		Typical Value (SI)		Test Based On
Durometer Hardness (Shore A)	64		64		ExxonMobil Method

Mechanical	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Stress at 100%	320	psi	2.2	MPa	ExxonMobil Method
Tensile Stress at 300%	370	psi	2.6	MPa	ExxonMobil Method
Tensile Strength at Break	> 800	psi	> 5.5	MPa	ExxonMobil Method
Tensile Set	15	%	15	%	ExxonMobil Method
Elongation at Break	> 800	%	> 800	%	ExxonMobil Method
Flexural Modulus - 1% Secant	1900	psi	13	MPa	ExxonMobil Method

Elastomers	Typical Value (English)		Typical Value (SI)		Test Based On
Tear Strength (Die C)	183	lbf/in	32.0	kN/m	ExxonMobil Method

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Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	113 °F	45.2 °C	ExxonMobil Method

Additional Information

Please contact Customer Service for food law compliance information.

For data specific to chemical resistance, refer to the Technical Literature (TL), Chemical Resistance of Vistamaxx Performance Polymer.

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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