ExxonMobil

Vistamaxx™ Performance Polymer 6202FL

Propylene Elastomer

Product Description

Vistamaxx 6202FL is primarily composed of isotactic propylene repeat units with random ethylene distribution, and is produced using ExxonMobil's proprietary metallocene catalyst technology. The 'FL' designates this product passes ExxonMobil's test for film appearance with regard to gels, as needed for performance film applications ('A' rating).

Key Features

- Suitable for a wide range of cast film, extrusion coating, extrusion lamination and injection molding applications.
- Very good elasticity, flexibility and toughness.
- Excellent adhesion to conventional or metallocene PP and PE, and to various polyolefinic substrates (film, woven and nonwoven).
- Very low seal initiation temperature combined with high seal strength when used as an extrusion coating or laminating layer.
- High peel forces when used as adhesive layer of co-extruded surface protection films and masking tapes.
- Very effective at increasing the coefficient of friction of PE or PP blends.
- Good chemical resistance to aqueous systems and non-hydrocarbon based fluids.
- May be used in food contact applications (see FDA and EU notes).
- 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 • Extrusion Coating	• Extrusion Lamination • 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

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

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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