

Vistamaxx™ 6202FL

Performance Polymer

Product Description

Vistamaxx 6202FL performance polymer is an olefinic elastomer which is primarily composed of isotactic propylene repeat units with random ethylene distribution, and is produced using ExxonMobil Chemical's proprietary metallocene catalyst technology. The 'FL' designates this product passes ExxonMobil Chemical'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).
- Although not NSF certified, this product has a Material Supplier Form on file with NSF to facilitate its evaluation for use in applications requiring NSF certification.
- RoHS compliant.

General

Availability ¹	<ul style="list-style-type: none"> ▪ Africa & Middle East ▪ Asia Pacific 	<ul style="list-style-type: none"> ▪ Europe ▪ Latin America 	<ul style="list-style-type: none"> ▪ North America
Applications	<ul style="list-style-type: none"> ▪ Calendered Profiles ▪ Calendered Sheeting ▪ Cast Film 	<ul style="list-style-type: none"> ▪ Extruded Profiles ▪ Extruded Sheeting ▪ Extrusion Coating 	<ul style="list-style-type: none"> ▪ Extrusion Lamination ▪ Injection Molding ▪ PP/TPE Modification
Uses	<ul style="list-style-type: none"> ▪ Compounding 	<ul style="list-style-type: none"> ▪ Film 	<ul style="list-style-type: none"> ▪ Packaging
RoHS Compliance	<ul style="list-style-type: none"> ▪ RoHS Compliant 		
Form(s)	<ul style="list-style-type: none"> ▪ Pellets 		
Revision Date	<ul style="list-style-type: none"> ▪ 08/06/2013 		

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Density ²	0.863 g/cm ³	0.863 g/cm ³	ASTM D1505
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	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)	66	66	ASTM D2240

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at 100%	280 psi	1.93 MPa	ASTM D638
Tensile Stress at 300%	305 psi	2.10 MPa	ASTM D638
Tensile Strength at Break	> 798 psi	> 5.50 MPa	ASTM D638
Tensile Set	18 %	18 %	ExxonMobil Method
Elongation at Break	> 2000 %	> 2000 %	ASTM D638
Flexural Modulus - 1% Secant	1790 psi	12.3 MPa	ASTM D790

Customers	Typical Value (English)	Typical Value (SI)	Test Based On
Tear Strength (Die C)	190 lbf/in	33.3 kN/m	ASTM D624

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Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	117 °F	47.2 °C	ExxonMobil Method

Additional Information

In accordance with FDA Food Contact Notification (FCN) 832, this product may be used as articles or components of articles used in contact with all food types under Conditions of Use B through H, 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.

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

Legal Statement

For detailed Product Stewardship information, please contact Customer Service.

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.

Processing Statement

Vistamaxx performance polymer has 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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