

Vistamaxx™ 7010FL

Performance Polymer

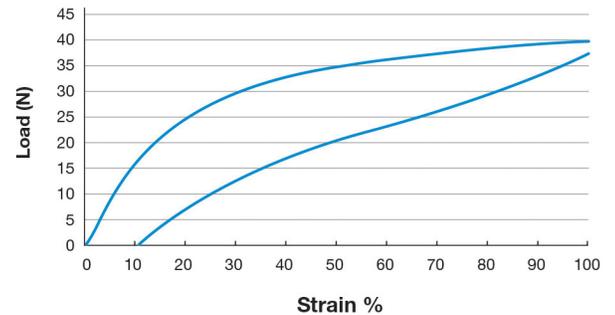
Product Description

Vistamaxx 7010FL performance polymer is an olefinic elastomer chiefly 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 and blown film applications requiring good melt strength and elasticity.
- Can be blended with PE, PP and other polymers, including styrenic block copolymers.
- Suitable for applications in films and laminates that require elastic performance.
- Good compatibility with polyolefin non-woven facing layers used in elastic laminates.
- 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.

First Cycle Hysteresis



General

Availability ¹	▪ Africa & Middle East	▪ Europe	
Applications	▪ Blown Film	▪ Cast Film	▪ Elastic Hygiene Film
Uses	▪ Compounding ▪ Film	▪ Hygiene ▪ Medical/Healthcare Applications	▪ Packaging ▪ Personal Care
RoHS Compliance	▪ RoHS Compliant		
Form(s)	▪ Pellets		
Revision Date	▪ 07/09/2015		

Elastomer Curves	Typical Value (English)	Typical Value (SI)	Test Based On
First Cycle Retractive Force	4.3 lbf	19 N	ExxonMobil Method
First Cycle Load Loss	43 %	43 %	ExxonMobil Method
First Cycle Permanent Set	11 %	11 %	ExxonMobil Method
First Cycle Mechanical Hysteresis	41 %	41 %	ExxonMobil Method

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Density ²	0.861 g/cm ³	0.861 g/cm ³	ASTM D1505
Melt Index ² (190°C/2.16 kg)	1.3 g/10 min	1.3 g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) ²	3 g/10 min	3 g/10 min	ExxonMobil Method
Ethylene Content	17 wt%	17 wt%	ExxonMobil Method



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Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at 100%	268 psi	1.85 MPa	ASTM D638
Tensile Stress at 300%	308 psi	2.12 MPa	ASTM D638
Tensile Strength at Break	> 1000 psi	> 6.89 MPa	ASTM D638
Tensile Set (73°F (23°C))	15 %	15 %	ExxonMobil Method
Elongation at Break	> 2000 %	> 2000 %	ASTM D638
Flexural Modulus - 1% Secant	1650 psi	11.3 MPa	ASTM D790

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	123 °F	50.8 °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.



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For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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