

Vistamaxx™ 3588FL

Performance Polymer

Product Description

Vistamaxx 3588FL performance polymer 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

- Pure sealant layer of co-extruded structures in BOPP and cast PP film applications for low seal initiation temperature, high seal strength and enhanced seal integrity.
- RoHS compliant.

General

Availability ¹	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Applications	• Cast Film		
Uses	• Film	• Packaging	
RoHS Compliance	• RoHS Compliant		
Form(s)	• Pellets		
Revision Date	• 01/26/2015		

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Density ²	0.889 g/cm ³	0.889 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) ²	8 g/10 min	8 g/10 min	ExxonMobil Method
Ethylene Content	4 wt%	4 wt%	ExxonMobil Method

Hardness	Typical Value (English)	Typical Value (SI)	Test Based On
Durometer Hardness (Shore D)	52	52	ASTM D2240

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at 100%	1560 psi	10.8 MPa	ASTM D638
Tensile Stress at 300%	1660 psi	11.4 MPa	ASTM D638
Tensile Strength at Yield	2300 psi	15.8 MPa	ASTM D638
Tensile Strength at Break	3640 psi	25.1 MPa	ASTM D638
Elongation at Yield	16 %	16 %	ASTM D638
Elongation at Break	617 %	617 %	ASTM D638
Flexural Modulus - 1% Secant	57100 psi	393 MPa	ASTM D790

Elastomers	Typical Value (English)	Typical Value (SI)	Test Based On
Tear Strength (Die C)	714 lbf/in	125 kN/m	ASTM D624

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	217 °F	103 °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.

Vistamaxx™ 3588FL
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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