ExxonMobil Signature Polymers

Vistamaxx™ Performance Polymer 3588FL

Propylene Elastomer

Product Description

Vistamaxx 3588FL 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

- 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	▪ 07/14/2020		

Physical	Typical Value (English)		Typical Value (SI)		Test Based On
Density [2]	0.889	g/cm³	0.889	g/cm³	ExxonMobil Method
Melt Mass-Flow Rate (MFR) [2] (230°C/2.16 kg)	8.0	g/10 min	8.0	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)	50		50		ExxonMobil Method

Mechanical	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Stress at 300%	1700	psi	12	MPa	ExxonMobil Method
Tensile Strength at Yield	2400	psi	16	MPa	ExxonMobil Method
Tensile Strength at Break	3800	psi	26	MPa	ExxonMobil Method
Tensile Stress at 100%	1600	psi	11	MPa	ExxonMobil Method
Elongation at Yield	20	%	20	%	ExxonMobil Method
Elongation at Break	637	%	637	%	ExxonMobil Method
Flexural Modulus - 1% Secant	58000	psi	400	MPa	ExxonMobil Method

Elastomers	Typical Value (English)		Typical Value (SI)		Test Based On
Tear Strength (Die C)	724	lbf/in	127	kN/m	ExxonMobil Method

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

Additional Information

Please contact Customer Service for food law compliance information.

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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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