

Vistamaxx™ Performance Polymer 3588MED

Propylene Elastomer

Product Description

Vistamaxx™ 3588MED is primarily composed of isotactic propylene repeat units with random ethylene distribution, and is produced using ExxonMobil's proprietary metallocene catalyst technology.

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	<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"> • Cast Film 		
Uses	<ul style="list-style-type: none"> • Film 	<ul style="list-style-type: none"> • Packaging 	
Agency Ratings	<ul style="list-style-type: none"> • ISO 10993 Part 10 • ISO 10993 Part 11 	<ul style="list-style-type: none"> • ISO 10993 Part 4 • ISO 10993 Part 5 	<ul style="list-style-type: none"> • USP 661.1 • USP Class VI
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"> • 09/01/2022 		

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Density ² (73°F (23°C))	0.889 g/cm ³	0.889 g/cm ³	ExxonMobil Method
Melt Mass-Flow Rate (MFR) ² (230°C/2.16 kg)	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)	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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