

# 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 <sup>1</sup> | <ul style="list-style-type: none"> <li>▪ Africa &amp; Middle East</li> <li>▪ Asia Pacific</li> </ul> | <ul style="list-style-type: none"> <li>▪ Europe</li> <li>▪ Latin America</li> </ul> | <ul style="list-style-type: none"> <li>▪ North America</li> </ul> |
| Applications              | <ul style="list-style-type: none"> <li>▪ Cast Film</li> </ul>  |   |   |
| Uses                      | <ul style="list-style-type: none"> <li>▪ Film</li> <li>▪ Packaging</li> </ul>                        |   |   |
| RoHS Compliance           | <ul style="list-style-type: none"> <li>▪ RoHS Compliant</li> </ul>                                   |   |   |
| Form(s)                   | <ul style="list-style-type: none"> <li>▪ Pellets</li> </ul>  |   |   |
| Revision Date             | <ul style="list-style-type: none"> <li>▪ 07/14/2020</li> </ul>                                       |   |   |

| Physical   | Typical Value (English) | Typical Value (SI)      | Test Based On     |
|--|-------------------------|-------------------------|-------------------|
| Density <sup>2</sup>                                   | 0.889 g/cm <sup>3</sup> | 0.889 g/cm <sup>3</sup> | ExxonMobil Method |
| Melt Mass-Flow Rate (MFR) <sup>2</sup> (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.

<sup>1</sup> Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

<sup>2</sup> Property specified in conventional unit of measure.

For additional technical, sales and order assistance: [www.exxonmobilchemical.com/ContactUs](http://www.exxonmobilchemical.com/ContactUs)

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