

# Vistamaxx™ 8880

## Performance Polymer

### Product Description

Vistamaxx 8880 is primarily composed of isotactic propylene repeat units with random ethylene distribution, and is produced using ExxonMobil's proprietary metallocene catalyst technology. It has very low viscosity that enables its use in hot melt adhesives (HMAs) and as a process aid or viscosity modifier in extrusion and injection molding applications providing enhanced flow characteristics that can lead to efficiency and cycle time improvements.

### Key Features

- Low density
- Very low viscosity
- Low odor and low color
- Non-corrosive

### 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>▪ Hot Melt Adhesives</li> </ul>                               | <ul style="list-style-type: none"> <li>▪ Polymer Modification</li> </ul>            |                                                                       |
| Uses                      | <ul style="list-style-type: none"> <li>▪ Adhesives</li> </ul>                                        | <ul style="list-style-type: none"> <li>▪ Compounding</li> </ul>                     |                                                                       |
| Form(s)                   | <ul style="list-style-type: none"> <li>▪ Pellets</li> </ul>                                          |                                                                                     |                                                                       |
| Processing Method         | <ul style="list-style-type: none"> <li>▪ Compounding</li> </ul>                                      | <ul style="list-style-type: none"> <li>▪ Extrusion</li> </ul>                       | <ul style="list-style-type: none"> <li>▪ Injection Molding</li> </ul> |
| Revision Date             | <ul style="list-style-type: none"> <li>▪ 09/16/2015</li> </ul>                                       |                                                                                     |                                                                       |

| Physical                               | Typical Value (English) | Typical Value (SI)      | Test Based On     |
|----------------------------------------|-------------------------|-------------------------|-------------------|
| Density <sup>2</sup>                   | 0.879 g/cm <sup>3</sup> | 0.879 g/cm <sup>3</sup> | ExxonMobil Method |
| Ethylene Content                       | 6 wt%                   | 6 wt%                   | ExxonMobil Method |
| Viscosity @ 374°F (190°C) <sup>2</sup> | 1200 cP                 | 1200 mPa-s              | ExxonMobil Method |

| Hardness                     | Typical Value (English) | Typical Value (SI) | Test Based On |
|------------------------------|-------------------------|--------------------|---------------|
| Durometer Hardness (Shore C) | 53                      | 53                 | ASTM D2240    |

| Mechanical                | Typical Value (English) | Typical Value (SI) | Test Based On     |
|---------------------------|-------------------------|--------------------|-------------------|
| Tensile Strength at Break | 900 psi                 | 6.2 MPa            | ExxonMobil Method |
| Tensile Stress at 100%    | 580 psi                 | 4.0 MPa            | ExxonMobil Method |
| Elongation at Break       | 1237 %                  | 1237 %             | ExxonMobil Method |

| Thermal                          | Typical Value (English) | Typical Value (SI) | Test Based On     |
|----------------------------------|-------------------------|--------------------|-------------------|
| Melting Temperature              | 206 °F                  | 97 °C              | ExxonMobil Method |
| Glass Transition, T <sub>g</sub> | -7 °F                   | -22 °C             | ExxonMobil Method |

### Additional Information

It is the responsibility of the user to ensure that the composition containing our product meets the limitations of relevant regulations. Please contact Customer Service for the official food law certificates which provide more detailed information.

ExxonMobil Test Methods, some of which were developed from ASTM test methods, are available upon request.

For handling and safety information, consult the appropriate Safety Data Sheet.

### 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.

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## 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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