

# Vistamaxx™ Performance Polymer 8780

## Propylene Elastomer

### Product Description

Vistamaxx 8780 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>▪ 07/14/2020</li> </ul>		

### Physical

	Typical Value (English)	Typical Value (SI)	Test Based On
Density <sup>2</sup>	0.864 g/cm <sup>3</sup>	0.864 g/cm <sup>3</sup>	ExxonMobil Method
Ethylene Content <sup>2</sup>	12 wt%	12 wt%	ExxonMobil Method
Viscosity @ 374°F (190°C)	3980 cP	3980 mPa-s	ExxonMobil Method

### Hardness

	Typical Value (English)	Typical Value (SI)	Test Based On
Durometer Hardness (Shore C)	17	17	ExxonMobil Method

### Mechanical

	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Break	350 psi	2.4 MPa	ExxonMobil Method
Tensile Stress at 100%	260 psi	1.8 MPa	ExxonMobil Method
Elongation at Break	705 %	705 %	ExxonMobil Method

### Thermal

	Typical Value (English)	Typical Value (SI)	Test Based On
Melting Temperature	205 °F	96 °C	ExxonMobil Method
Glass Transition, T <sub>g</sub>	-26 °F	-32 °C	ExxonMobil Method

### Additional Information

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

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

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.

### 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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