

# Vistamaxx™ 6102

## Performance Polymer

### Product Description

Vistamaxx 6102 performance polymer is an olefinic elastomer produced using ExxonMobil Chemical's proprietary metallocene catalyst technology. It has excellent elastomeric properties, is easy to process and is compatible with a wide variety of materials. It is particularly good for thermoplastic and polyolefinic blends where a balance of flexibility, transparency and impact performance is required.

### Key Features

- Suitable for a wide range of film and compounding applications.
- Other typical applications include calendered or extruded profiles, foamed or blown molded goods and thermoformed products.
- Excellent adhesion to conventional or metallocene PP and PE.
- Very good elasticity, toughness and melt strength.
- Very low seal initiation temperature combined with high seal strength when used as sealing layer of co-extruded structures.
- Very good chemical resistance and long term aging.
- Although not NSF certified, this product has a Material Supplier Form on file with NSF to facilitate its evaluation for use in applications requiring NSF certification.
- RoHS compliant.

### General

Applications	<ul style="list-style-type: none"> <li>• Blown Film</li> <li>• Blown Molded Goods</li> <li>• Calendered Profiles</li> </ul>	<ul style="list-style-type: none"> <li>• Cast Film</li> <li>• Extruded Profiles</li> <li>• Foamed Goods</li> </ul>	<ul style="list-style-type: none"> <li>• PP/TPE Modification</li> </ul>
Uses	<ul style="list-style-type: none"> <li>• Compounding</li> </ul>	<ul style="list-style-type: none"> <li>• Film</li> </ul>	<ul style="list-style-type: none"> <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>		

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Density <sup>2</sup>	0.862 g/cm <sup>3</sup>	0.862 g/cm <sup>3</sup>	ASTM D1505
Melt Index <sup>2</sup> (190°C/2.16 kg)	1.4 g/10 min	1.4 g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) <sup>2</sup>	3 g/10 min	3 g/10 min	ExxonMobil Method
Ethylene Content	16 wt%	16 wt%	ExxonMobil Method

Hardness	Typical Value (English)	Typical Value (SI)	Test Based On
Durometer Hardness (Shore A)	66	66	ASTM D2240

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at 100%	282 psi	1.94 MPa	ASTM D638
Tensile Stress at 300%	325 psi	2.24 MPa	ASTM D638
Tensile Strength at Break	> 1000 psi	> 6.89 MPa	ASTM D638
Tensile Set	18 %	18 %	ExxonMobil Method
Elongation at Break	> 2000 %	> 2000 %	ASTM D638
Flexural Modulus - 1% Secant	1790 psi	12.3 MPa	ASTM D790

Elastomers	Typical Value (English)	Typical Value (SI)	Test Based On
Tear Strength (Die C)	196 lbf/in	34.3 kN/m	ASTM D624

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	126 °F	52.2 °C	ExxonMobil Method

