

Vistamaxx™ 3000

Performance Polymer

Product Description

Vistamaxx 3000 is primarily composed of isotactic propylene repeat units with random ethylene distribution, and is produced using ExxonMobil's proprietary metallocene catalyst technology. It has moderate elastomeric properties, is easy to process and is compatible with a wide variety of hydrocarbon based polymers. It is available as free flowing pellets.

Key Features

- Suitable for a wide range of film, sheeting and compounding applications requiring good durability and mechanical properties.
- Excellent adhesion to conventional or metallocene PP and PE.
- Very good elasticity, toughness and clarity.
- 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.
- RoHS compliant.

General

Applications	<ul style="list-style-type: none"> ▪ Blown Film ▪ Calendered Sheeting 	<ul style="list-style-type: none"> ▪ Cast Film ▪ Extruded Sheeting 	<ul style="list-style-type: none"> ▪ Injection Molding ▪ PP/TPO Modification
Uses	<ul style="list-style-type: none"> ▪ Compounding 	<ul style="list-style-type: none"> ▪ Film 	<ul style="list-style-type: none"> ▪ Packaging
RoHS Compliance	<ul style="list-style-type: none"> ▪ RoHS Compliant 		
Form(s)	<ul style="list-style-type: none"> ▪ Pellets 		

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Density ²	0.873 g/cm ³	0.873 g/cm ³	ASTM D1505
Melt Index ² (190°C/2.16 kg)	3.7 g/10 min	3.7 g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) ² (230°C/2.16 kg)	8 g/10 min	8 g/10 min	ExxonMobil Method
Ethylene Content	11 wt%	11 wt%	ExxonMobil Method

Hardness	Typical Value (English)	Typical Value (SI)	Test Based On
Durometer Hardness (Shore D)	27	27	ASTM D2240

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at 100%	679 psi	4.68 MPa	ASTM D638
Tensile Stress at 300%	701 psi	4.83 MPa	ASTM D638
Tensile Strength at Yield	757 psi	5.22 MPa	ASTM D638
Tensile Strength at Break	> 2000 psi	> 13.8 MPa	ASTM D638
Tensile Set	41 %	41 %	ExxonMobil Method
Elongation at Yield	38 %	38 %	ASTM D638
Elongation at Break	> 800 %	> 800 %	ASTM D638
Flexural Modulus - 1% Secant	9050 psi	62.4 MPa	ASTM D790

Elastomers	Typical Value (English)	Typical Value (SI)	Test Based On
Tear Strength (Die C)	365 lbf/in	63.9 kN/m	ASTM D624

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	149 °F	65.1 °C	ExxonMobil Method

