

Vistamaxx™ Performance Polymer 7050BF

Propylene Elastomer

Product Description

Vistamaxx™ 7050BF resin is primarily composed of isotactic propylene repeat units with random ethylene distribution, and is produced using ExxonMobil's proprietary metallocene catalyst technology.

Key Features

- Applicable for hygiene and nonwoven applications, including those that require elasticity.
- Suitable for spunbond and meltblown nonwoven processes.
- Can be blended with PE, PP and other polymers, including styrenic block copolymers.
- Excellent adhesion to conventional and metallocene PP and PE.
- Good chemical resistance to aqueous systems and non-hydrocarbon based fluids.
- RoHS compliant.

General

Availability ¹	<ul style="list-style-type: none"> ▪ Africa & Middle East ▪ Asia Pacific 	<ul style="list-style-type: none"> ▪ Europe ▪ Latin America 	<ul style="list-style-type: none"> ▪ North America
Applications	<ul style="list-style-type: none"> ▪ Elastic Hygiene Film ▪ Meltblown Nonwovens 	<ul style="list-style-type: none"> ▪ Nonwovens and Laminates ▪ Spunbond Nonwovens 	
Uses	<ul style="list-style-type: none"> ▪ Hygiene 	<ul style="list-style-type: none"> ▪ Nonwovens 	<ul style="list-style-type: none"> ▪ Personal Care
RoHS Compliance	<ul style="list-style-type: none"> ▪ RoHS Compliant 		
Form(s)	<ul style="list-style-type: none"> ▪ Pellets 		
Revision Date	<ul style="list-style-type: none"> ▪ 12/05/2019 		

Elastomer Curves

	Typical Value (English)	Typical Value (SI)	Test Based On
First Cycle Retractive Force	7.6 lbf	34 N	ExxonMobil Method
First Cycle Load Loss	55 %	55 %	ExxonMobil Method
First Cycle Permanent Set	10 %	10 %	ExxonMobil Method
First Cycle Mechanical Hysteresis	51 %	51 %	ExxonMobil Method

Physical

	Typical Value (English)	Typical Value (SI)	Test Based On
Density ²	0.865 g/cm ³	0.865 g/cm ³	ASTM D1505
Melt Index ² (190°C/2.16 kg)	18 g/10 min	18 g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	45 g/10 min	45 g/10 min	ExxonMobil Method
Ethylene Content	13 wt%	13 wt%	ExxonMobil Method

Mechanical

	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at 100%	402 psi	2.77 MPa	ASTM D638
Tensile Stress at 300%	508 psi	3.50 MPa	ASTM D638
Tensile Strength at Break	> 1070 psi	> 7.40 MPa	ASTM D638
Elongation at Break	> 800 %	> 800 %	ASTM D638
Flexural Modulus - 1% Secant	2980 psi	20.6 MPa	ASTM D790

Thermal

	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	124 °F	51.0 °C	ExxonMobil Method

Additional Information

Please contact Customer Service for food law compliance 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.

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

² Property specified in conventional unit of measure.

For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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