ExxonMobil

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]	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Applications	• Elastic Hygiene Film • Meltblown Nonwovens	• Nonwovens and Laminates • Spunbond Nonwovens	
Uses	• Hygiene	• Nonwovens	• Personal Care
RoHS Compliance	• RoHS Compliant		
Form(s)	• Pellets		
Revision Date	• 07/14/2020		

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/cm³	0.865	g/cm³	ExxonMobil Method
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%	400	psi	2.8	MPa	ExxonMobil Method
Tensile Stress at 300%	510	psi	3.5	MPa	ExxonMobil Method
Tensile Strength at Break	> 1100	psi	> 7.4	MPa	ExxonMobil Method
Elongation at Break	> 800	%	> 800	%	ExxonMobil Method
Flexural Modulus - 1% Secant	3000	psi	21	MPa	ExxonMobil Method

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

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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.

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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