ExxonMobil Signature Polymers

Vistamaxx™ Performance Polymer 7020BF

Propylene Elastomer

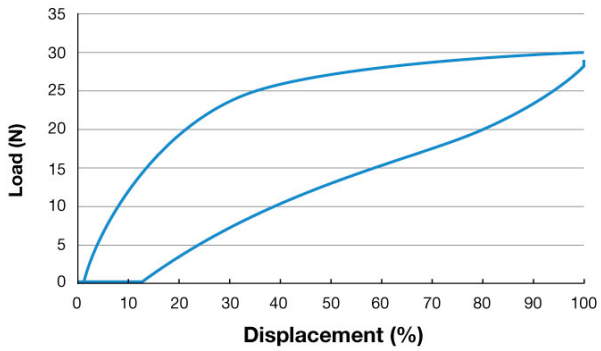
Product Description

Vistamaxx 7020BF is a semi-crystalline copolymer of propylene and ethylene produced using ExxonMobil's proprietary metallocene catalyst technology. It has excellent elastomeric properties, is easy to process , and is compatible with a wide variety of materials.

Key Features

- Improved color stability in polypropylene blends for nonwoven fabrics.
- Excellent adhesion to conventional or metallocene PP and PE.
- Very good elasticity and toughness.
- Particularly good for thermoplastic and polyolefinic blends where a balance of flexibility, transparency and impact performance is required.

First Cycle Hysteresis



General

Availability [1]	▪ Africa & Middle East ▪ Asia Pacific	▪ Europe ▪ Latin America	▪ North America
Applications	▪ Nonwovens	▪ PP Modifications	
Uses	▪ Compounding ▪ Hygiene	▪ Nonwovens ▪ Personal Care	
RoHS Compliance	▪ RoHS Compliant		
Form(s)	▪ Pellets		
Revision Date	▪ 07/14/2020		

Physical	Typical Value (English)		Typical Value (SI)		Test Based On
Density [2]	0.863	g/cm³	0.863	g/cm³	ExxonMobil Method
Melt Index [2] (190°C/2.16 kg)	9.0	g/10 min	9.0	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) [2] (230°C/2.16 kg)	20	g/10 min	20	g/10 min	ExxonMobil Method
Ethylene Content	15	wt%	15	wt%	ExxonMobil Method

Mechanical	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Stress at 100%	280	psi	2.0	MPa	ExxonMobil Method
Tensile Stress at 300%	410	psi	2.9	MPa	ExxonMobil Method
Tensile Strength at Break	> 800	psi	> 5.5	MPa	ExxonMobil Method
Elongation at Break	> 800	%	> 800	%	ExxonMobil Method
Flexural Modulus - 1% Secant	2000	psi	14	MPa	ExxonMobil Method

Elastomers	Typical Value (English)		Typical Value (SI)		Test Based On
Tear Strength (Die C)	176	lbf/in	30.9	kN/m	ExxonMobil Method

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Vicat Softening Temperature	116	°F	46.5	°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. Due to the low level of antioxidant, it is advised that the material be stored and consumed as recommended.

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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