ExxonMobil

Vistamaxx™ 7810

Performance Polymer

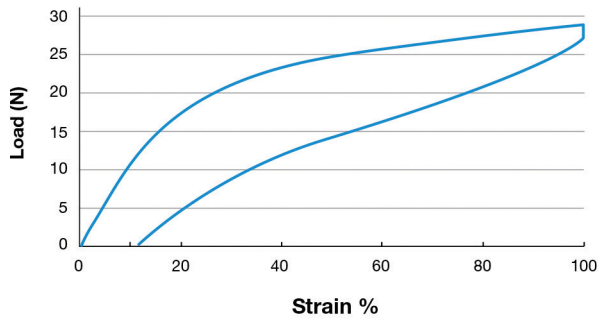
Product Description

Vistamaxx 7810 performance polymer is an olefinic elastomer chiefly composed of isotactic propylene repeat units with random ethylene distribution, and is produced using ExxonMobil Chemical's proprietary metallocene catalyst technology.

Key Features

- Applicable for hygiene applications, including those that require elasticity.
- Suitable for a wide range of cast and blown film applications requiring good melt strength and elasticity.
- Can be blended with PE, PP and other polymers, including styrenic block copolymers.
- Suitable for applications in films and laminates that require elastic performance.
- Good compatibility with polyolefin non-woven facing layers used in elastic laminates.
- RoHS compliant.

First Cycle Hysteresis



General

Availability [1]	▪ Africa & Middle East	▪ Europe	
Applications	▪ Blown Film ▪ Cast Film	▪ Elastic Hygiene Film ▪ Laminates	
Uses	▪ Film	▪ Hygiene	▪ Personal Care
RoHS Compliance	▪ RoHS Compliant		
Form(s)	▪ Pellets		
Revision Date	▪ 07/09/2015		

Elastomer Curves	Typical Value (English)		Typical Value (SI)		Test Based On
First Cycle Retractive Force	3.4	lbf	15	N	ExxonMobil Method
First Cycle Load Loss	43	%	43	%	ExxonMobil Method
First Cycle Permanent Set	10	%	10	%	ExxonMobil Method
First Cycle Mechanical Hysteresis	40	%	40	%	ExxonMobil Method

Physical	Typical Value (English)		Typical Value (SI)		Test Based On
Density [2]	0.859	g/cm³	0.859	g/cm³	ASTM D1505
Melt Index [2] (190°C/2.16 kg)	1.8	g/10 min	1.8	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) [2] (230°C/2.16 kg)	4.5	g/10 min	4.5	g/10 min	ASTM D1238

Mechanical	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Stress at 100%	218	psi	1.50	MPa	ASTM D638
Tensile Stress at 300%	271	psi	1.87	MPa	ASTM D638
Tensile Strength at Break	> 701	psi	> 4.83	MPa	ASTM D638
Tensile Set	14	%	14	%	ExxonMobil Method
Elongation at Break	> 800	%	> 800	%	ASTM D638
Flexural Modulus - 1% Secant	1280	psi	8.85	MPa	ASTM D790

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Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	112 °F	44.5 °C	ExxonMobil Method

Legal Statement

For detailed Product Stewardship information, please contact Customer Service.

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.

Processing Statement

Vistamaxx performance polymer has 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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