ExxonMobil Signature Polymers

Vistamaxx™ Performance Polymer 6000

Propylene Elastomer

Product Description

Vistamaxx 6000 performance polymer is a metallocene catalyzed copolymer.

Key Features

- When used as the functional layer(s) in cast stretch film, it provides enhanced ultimate stretch, improved holding force and exceptional tear propagation resistance combined with excellent processability. In demanding wrapping operations this enables improved load stability and reduced film breaks.
- These superior properties make this resin an excellent fit in thin gauge high performance cast stretch films, including power pre-stretch films.

General

Availability [1]	▪ Africa & Middle East ▪ Asia Pacific	▪ Europe ▪ Latin America	▪ North America
Applications	▪ Cast Stretch Film		
Uses	▪ Film	▪ Packaging	
RoHS Compliance	▪ RoHS Compliant		
Revision Date	▪ 07/14/2020		

Physical	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.889	g/cm³	0.889	g/cm³	ExxonMobil Method
Melt Index (190°C/2.16 kg)	3.7	g/10 min	3.7	g/10 min	ASTM D1238

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Peak Melting Temperature	222	°F	105	°C	ExxonMobil Method
Peak Crystallization Temperature	148	°F	64	°C	ExxonMobil Method

Films	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Yield MD	2200	psi	15	MPa	ExxonMobil Method
Tensile Strength at Yield TD	1900	psi	13	MPa	ExxonMobil Method
Tensile Strength at Break MD	9100	psi	60	MPa	ExxonMobil Method
Tensile Strength at Break TD	5200	psi	36	MPa	ExxonMobil Method
Elongation at Break MD	440	%	440	%	ExxonMobil Method
Elongation at Break TD	790	%	790	%	ExxonMobil Method
Secant Modulus MD - 1% Secant	42000	psi	290	MPa	ExxonMobil Method
Secant Modulus TD - 1% Secant	47000	psi	330	MPa	ExxonMobil Method

Optical	Typical Value (English)		Typical Value (SI)		Test Based On
Gloss (45°)	89		89		ASTM D2457
Haze	0.4	%	0.4	%	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.

ExxonMobil

Vistamaxx™ Performance Polymer 6000
Propylene Elastomer

Processing Statement

The film properties have been measured on a film (1 mil/25 micron) made from Vistamaxx 6000 on a Black Clawson 3.5 inch cast line at a 6.25" melt curtain length, 425 °F melt temperature, 56 °F chill roll temperature and 180 fpm line speed. Films were aged at 77°F for 40 hours before lab aging and testing.

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.

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

exxonmobilchemical.com