

Vistamaxx™ 6102

Propylene-based Elastomer

Product Description		Key Features	
Vistamaxx 6102 propylene-based elastomer is an olefinic elastomer produced using ExxonMobil Chemical's proprietary metallocene catalyst technology. It has excellent elastomeric properties, is easy to process and is compatible with a wide variety of materials. It is particularly good for thermoplastic and polyolefinic blends where a balance of flexibility, transparency and impact performance is required.		• Suitable for a wide range of film and compounding applications. • Other typical applications include calendered or extruded profiles, foamed or blown molded goods and thermoformed products. • Excellent adhesion to conventional or metallocene PP and PE. • Very good elasticity, toughness and melt strength. • Very low seal initiation temperature combined with high seal strength when used as sealing layer of co-extruded structures. • Very good chemical resistance and long term aging. • Although not NSF certified, this product has a Material Supplier Form on file with NSF to facilitate its evaluation for use in applications requiring NSF certification. • RoHS compliant.	
General			
Availability ¹	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America • South America
Applications	• Blown Film • Blown Molded Goods • Calendered Profiles	• Cast Film • Extruded Profiles • Foamed Goods	• PP/TPE Modification
Uses	• Compounding	• Film	• Packaging
RoHS Compliance	• RoHS Compliant		
Form(s)	• Pellets		
Revision Date	• 08/06/2013		
Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Density ²	0.862 g/cm³	0.862 g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	1.4 g/10 min	1.4 g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) ²	3 g/10 min	3 g/10 min	ExxonMobil Method
Ethylene Content	16 wt%	16 wt%	ExxonMobil Method
Hardness	Typical Value (English)	Typical Value (SI)	Test Based On
Durometer Hardness (Shore A)	66	66	ASTM D2240
Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at 100%	282 psi	1.94 MPa	ASTM D638
Tensile Stress at 300%	325 psi	2.24 MPa	ASTM D638
Tensile Strength at Break	> 1000 psi	> 6.89 MPa	ASTM D638
Tensile Set	18 %	18 %	ExxonMobil Method
Elongation at Break	> 2000 %	> 2000 %	ASTM D638
Flexural Modulus - 1% Secant	1790 psi	12.3 MPa	ASTM D790

Typical properties: these are not to be construed as specifications.

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ExxonMobil Chemical Vistamaxx™ 6102

Propylene-based Elastomer

Elastomers	Typical Value (English)	Typical Value (SI)	Test Based On
Tear Strength (Die C)	196 lbf/in	34.3 kN/m	ASTM D624

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	126 °F	52.2 °C	ExxonMobil Method

Additional Information

In accordance with FDA Food Contact Notification (FCN) 832, this product may be used as articles or components of articles used in contact with all food types under Conditions of Use B through H, as described in Table 2 of 21 CFR 176.170(c).

The base resin in this product is listed in the Chinese Positive List for allowed resins in food packaging materials (issued by China MoH, 11 Oct 2011) and additives that may be present in this product are authorized according to the National Standard of People's Republic of China GB9685-2008, Hygienic Standards for Uses of Additives in Food Containers and Packaging Materials.

EU Note: The composition of this product complies with the requirements for use in contact with food of EU Regulation 10/2011. Please contact Customer Service for the official food law certificates which provide more detailed information.

For data specific to chemical resistance, refer to the Technical Literature (TL), "Chemical Resistance of Vistamaxx Propylene-based Elastomers".

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 propylene-based elastomer 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

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:

Worldwide and the Americas

ExxonMobil Chemical Company
13501 Katy Freeway
Houston, TX 77079-1398
USA
1-281-870-6050

Asia Pacific

ExxonMobil Chemical Asia Pacific
1 HarbourFront Place
#06-00 HarbourFront Tower One
Singapore 098633
+66-2-1638699

Europe, Middle East and Africa

ExxonMobil Chemical Europe
Hermeslaan 2
1831 Machelen, Belgium
420-239-016-274

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