

ExxonMobil Vistamaxx™ 6102FL Propylene-based Elastomer - Performance Film

Category : Polymer , Film , Thermoplastic , Elastomer, TPE , Thermoplastic Olefinic Elastomer (TPO), Film Grade

Material Notes:

Product Description: Vistamaxx 6102FL propylene-based elastomer is an olefinic elastomer primarily composed of isotactic propylene repeat units with random ethylene distribution. It is produced using ExxonMobil Chemical's EXXPOL™ Catalyst Technology. The "FL" designates this product passes ExxonMobil Chemical's test for film appearance with regard to gels, as needed for performance film applications ('A' rating). **Key Features:** Suitable for a wide range of cast and blown film applications, and melt-spun nonwoven applications. Very good elasticity. Can be blended with PE, PP and other polymers, including styrenic block copolymers. Excellent adhesion to conventional and metallocene PP and PE. Good cling and tack in stretch film and protective film applications. Good sealing properties. Good chemical resistance to aqueous systems and non-hydrocarbon based fluids. May be used in food contact applications (with some restrictions). EU and China RoHS compliant. **Applications:** Blown Film, Cast Film, Uses: Compounding, Film, Packaging. **Availability:** Africa & Middle East, Europe, North America, Asia Pacific, Latin America and South America. Information provided by ExxonMobil Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Vistamaxx-6102FL-Propylene-based-Elastomer-Performance-Film.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.862 g/cc	0.862 g/cc	ASTM D1505
Melt Flow	3.0 g/10 min	3.0 g/10 min	melt flow rate; ExxonMobil Method
	1.5 g/10 min @Load 2.16 kg, Temperature 190 °C	1.5 g/10 min @Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	66	66	ASTM D2240
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Stress	1.90 MPa	276 psi	ASTM D412
	@Strain 100 %	@Strain 100 %	
Flexural Modulus, 1% Secant	2.20 MPa	319 psi	ASTM D412
	@Strain 300 %	@Strain 300 %	
Tear Strength	34.4 kN/m	196 pli	Die C; ASTM D624
Tensile Set	18 %	18 %	ASTM D412

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments
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Descriptive Properties	Value	Comments
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Ethylene Content	16.0 wt%	ASTM D3900
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