ExxonMobil Vistamaxx[™] 6202FL Propylene-based Elastomer - Performance Film

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

Material Notes:

Product Description: Vistamaxx 6202FL propylene-based elastomer is an olefinic elastomer primarily composed of isostatic propylene repeat units with random ethylene distribution, and 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 film, extrusion coating, extrusion lamination and injection molding applications.Very good elasticity, flexibility and toughness.Compatible with a broad range array of materials and particularly good for polyolefinic and thermoplastic blends, including with styrenic block copolymersExcellent adhesion to conventional and metallocene PP and PE, and to various polyolefinic substrates (film, woven and nonwoven).Very low seal initiation temperature combined with high seal strength when used as an extrusion coating or laminating layer.High peel forces when used as adhesive layer of co-extruded surface protection films and masking tapes.Very effective at increasing to coefficient of friction of PE or PP blends.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:Calendered ProfilesExtruded profilesExtrusion LaminationCalendered SheetingExtruded SheetingInjection MoldingCast FilmExtrusion CoatingPP/TPE ModificationUses:CompoundingFilmPackaging Availability: Africa & Middle East, Europe, North America, Asia Pacific, Latin America and South AmericaInformation provided by ExxonMobil Chemical.

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http://www.lookpolymers.com/polymer_ExxonMobil-Vistamaxx-6202FL-Propylene-based-Elastomer-Performance-Film.php

Physical Properties	Metric	English	Comments	
Specific Gravity	0.863 g/cc	0.863 g/cc	ASTM D1505	
Melt Flow	20 g/10 min	20 g/10 min	melt flow rate; ExxonMobil Method	
	9.1 g/10 min	9.1 g/10 min		
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	ExxonMobil Method	

Mechanical Properties	Metric	English	Comments	
Hardness, Shore A	66	66	ISO 868	
	@Time 15.0 sec	@Time 0.00417 hour		
Tensile Stress	1.90 MPa	276 psi	ASTM D412	
	@Strain 100 %	@Strain 100 %	A311010412	
	2.10 MPa	305 psi	ASTM D412	
	@Strain 300 %	@Strain 300 %	A3 1W 0412	
Flexural Modulus, 1% Secant	12.3 MPa	1780 psi	ASTM D790	
Tear Strength	33.3 kN/m	190 pli	Die C; ASTM D624	

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Mechanical Properties Tensile Set	Metric	English	Comments ASTM D412	
Thermal Properties	Metric	English	Comments	
Vicat Softening Point	47.1 °C	117 °F	ASTM D1525	
Descriptive Properties		Value	Comments	
Ethylene Content		15.0 wt%	ASTM D3900	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com Email : sales@lookpolymers.com Tel : +86 021-51131842 Mobile : +86 13061808058 Skype : lookpolymers Address : United North Road 215,Fengxian District, Shanghai City,China