

ExxonMobil Vistamaxx™ 3020FL Propylene-based Elastomer - High Purity, Low Gel

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

Material Notes:

Product Description: Vistamaxx 3020FL 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 is a high purity grade with very low gel content, making it suitable for premium and performance film and molding applications.
Key Features: Suitable for a wide range of blown film and molding applications where improved melt strength is desired. Can be blended with PP, PE and other polyolefins. Excellent toughness in terms of tear and puncture resistance with good processability for stretch hood cores. Good optical properties. Good sealing properties. Good organoleptic 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, Polymer Modification, Compounding, Thermoforming
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-3020FL-Propylene-based-Elastomer-High-Purity-Low-Gel.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.874 g/cc	0.874 g/cc	ASTM D1505
Melt Flow	2.0 g/10 min	2.0 g/10 min	melt flow rate; ExxonMobil Method
	1.1 g/10 min @Load 2.16 kg, Temperature 190 °C	1.1 g/10 min @Load 4.76 lb, Temperature 374 °F	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	34	34	ASTM D2240
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Stress	4.40 MPa	638 psi	ASTM D412
	@Strain 100 %	@Strain 100 %	
Tensile Strength, Yield	4.40 MPa	638 psi	ASTM D412
	@Strain 300 %	@Strain 300 %	
Elongation at Yield	47 %	47 %	ASTM D412
Flexural Modulus, 1% Secant	60.0 MPa	8700 psi	ASTM D790
Tear Strength	64.3 kN/m	367 pli	Die C; ASTM D624

Tensile Set Mechanical Properties	49 % Metric	49 % English	ASTM D412 Comments
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Thermal Properties	Metric	English	Comments
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Vicat Softening Point	70.0 °C	158 °F	ASTM D1525
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Descriptive Properties	Value	Comments
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Ethylene Content	10.5 wt%	ASTM D3900
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