

ExxonMobil EXXELOR™ VA 1803 Maleic anhydride functionalized elastomeric ethylene copolymer

Category : Other Engineering Material , Additive/Filler for Polymer , Polymer , Thermoplastic , Elastomer, TPE , Polyethylene (PE)

Material Notes:

Product Description: Exxelor VA 1803 polymer resin is a high flow, amorphous ethylene copolymer functionalized with maleic anhydride by reactive extrusion. Its fully saturated backbone results in outstanding thermal and oxidative stability leading to enhanced weaterability. Moreover, its amorphous nature exhibits impact resistance at very low temperatures in blends with engineering polymers such as polyamide. This grade is designed to:Modify the impact characteristics of the full range of polyamides for temperatures as low as -40°C (a function of the modifier treat level in the blend).Offer the best balance between stiffness and low temperature performance in polyamide blends.Modify the impact characteristics of other engineering thermoplastic and technical polymers (with or without glass fibers, fillers, etc.)Achieve compatibility between polyolefins and more polar polymers that are capable of interacting with maleic anhydride.
Key Features: Performance enhancements in polyamide blends:Outstanding notched Izod impact resistance at room temperature.Consistent and very high notched Izod impact resistance down to -40°CImproved flexibilityReduced moisture sensitivity and improved dimensional stability allowing the production of molded parts with different wall thicknessImproved assembly of freshly molded partsIncreased impact resistance of glass-reinforced compositions.
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-EXXELOR-VA-1803-Maleic-anhydride-functionalized-elastomeric-ethylene-copolymer.php

Physical Properties	Metric	English	Comments
Density	0.860 g/cc	0.0311 lb/in ³	ExxonMobil Method
Melt Flow	3.3 g/10 min	3.3 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	
Melt Flow	22 g/10 min	22 g/10 min	ASTM D1238
	@Load 10.0 kg, Temperature 230 °C	@Load 22.0 lb, Temperature 446 °F	
Collected Volatile Condensable Material	<= 0.15 %	<= 0.15 %	AM-S 350.03

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-59.0 °C	-74.2 °F	DSC

Optical Properties	Metric	English	Comments
Yellow Index	<= 20 %	<= 20 %	ASTM E313-96

Descriptive Properties	Value	Comments
------------------------	-------	----------

Maleic anhydride graft level
Descriptive Properties

high
Value

Comments

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