

## ExxonMobil EXXELOR™ VA 1840 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 1840 polymer resin is a high flow, semi-crystalline ethylene copolymer functionized with maleic anhydride by reactive extrusion. It is fully saturated backbone results in outstanding thermal and oxidative stability leading to enhanced weatherability. Moreover, its elastomeric nature provides high impact resistance at room temperature and at low temperature when blended 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 -20°C (a function of the modifier treat level in the blend). 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. 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-1840-Maleic-anhydride-functionalized-elastomeric-ethylene-copolymer.php](http://www.lookpolymers.com/polymer_ExxonMobil-EXXELOR-VA-1840-Maleic-anhydride-functionalized-elastomeric-ethylene-copolymer.php)

Physical Properties	Metric	English	Comments
Density	0.880 g/cc	0.0318 lb/in <sup>3</sup>	ExxonMobil Method
Melt Flow	8.0 g/10 min @Load 5.00 kg, Temperature 230 °C	8.0 g/10 min @Load 11.0 lb, Temperature 446 °F	ASTM D1238
Collected Volatile Condensable Material	<= 0.15 %	<= 0.15 %	AM-S 350.03

Optical Properties	Metric	English	Comments
Yellow Index	<= 10 %	<= 10 %	ASTM E313-96

Descriptive Properties	Value	Comments
Maleic anhydride graft level	medium	

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