

ExxonMobil EXXELOR™ PO 1020 Maleic anhydride functionalized polypropylene

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

Material Notes:

Product Description: Exxelor PO 1020 polymer resin is a high performance maleic anhydride functionalized homopolypropylene produced by reactive extrusion. It has been primarily designed to add polarity to polypropylene matrices and in particular improved polypropylene reactivity and amino-silane treated glass reinforcements. Its high content of maleic anhydride allows its use at low treat levels while maintaining optimum application properties. This grade is designed to: Function as a coupling agent between reinforcing materials, such as glass fibers and inorganic fillers, and polypropylene. Achieve compatibility in polypropylene/polyamide alloys. Achieve compatibility between polyolefins and more polar polymers that are capable of interaction with maleic anhydride for alloying recycling or co-extrusion purpose. Improve polypropylene-to-metal adhesion properties. **Key Features:** Performance enhancements in glass-filled polypropylene. Improved cost/performance balance compared to earlier generation modifiers. Easy molding of highly glass-filled compounds and/or complex and thin parts due to its high flow properties. Outstanding unnotched Izod and Charpy performance. Excellent notched Izod and Charpy impact resistance. Improved tensile and flexural strength. **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-PO-1020-Maleic-anhydride-functionalized-polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ExxonMobil Method
Melt Flow	110 g/10 min	110 g/10 min	ASTM D1238
	@Load 1.20 kg, Temperature 190 °C	@Load 2.65 lb, Temperature 374 °F	
	430 g/10 min	430 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
Collected Volatile Condensable Material	<= 0.30 %	<= 0.30 %	AM-S 350.03

Thermal Properties	Metric	English	Comments
Melting Point	162 °C	324 °F	Peak; ExxonMobil Method

Optical Properties	Metric	English	Comments
Yellow Index	<= 30 %	<= 30 %	ASTM E313-96

Descriptive Properties	Value	Comments
Maleic anhydride graft level	high	FTIR EPK-04 QT-02

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