

Arkema Group OREVAC® CA 100 Grafted Maleic Anhydride Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

OREVAC® CA 100 is a chemically functionalized polypropylene with a high content of maleic anhydride. Grafting on polypropylene backbone is achieved with a processing technology which allows to optimize the compromise between chain breakdown and grafting efficiency. Grafted maleic anhydride induces polarity to polypropylene and so outstanding adhesion properties on glass and natural fibers, and mineral fillers. OREVAC® CA 100 has been specially developed as coupling agent between PP and glass fiber, PP and mineral filler and PP and natural fibers. Information provided by Arkema Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-OREVAC-CA-100-Grafted-Maleic-Anhydride-Polypropylene.php

Physical Properties	Metric	English	Comments
Melt Index of Compound	10 g/10 min @Load 2.16 kg, Temperature 190 °C	10 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	22.0 MPa	3190 psi	ISO 527-2
Tensile Strength, Yield	22.0 MPa	3190 psi	ISO 527-2
Elongation at Break	12 %	12 %	ISO 527-2
Flexural Modulus	0.880 GPa	128 ksi	ISO 178

Thermal Properties	Metric	English	Comments
Melting Point	167 °C	333 °F	DSC
Vicat Softening Point	147 °C @Load 1.02 kg	297 °F @Load 2.25 lb	ISO 306

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