

Addcomp PRIEX® 20093 Maleic Anhydride Grafted PP homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Functionalised polypropylene to be used as compatibiliser for polymer blends or coupling agent for glass fiber, wood flour, natural fibers, multilayer films, aluminum foils, or mineral filled polypropylene. Examples: Compatibilising short- and long glass fibers and PP applications such as automotive applications (instrument panel carrier, front-end, door modules, etc.) and Wood filled polymer composites. Mode of action and advantages: PRIEX® 20093 is a polypropylene, grafted with a high content of maleic anhydride. The grafted maleic anhydride introduces polarity to the polymer achieving compatibility between polyolefins and more polar polymers like EVOH. Advantages: Excellent mechanical properties, good cost / performance; Ultra low smell, low VOC and emissions; Excellent coupling agent for short and long glass filled polyolefins providing enhanced physical, mechanical and thermal properties; Excellent coupling agent for natural fiber reinforced polymer composites or wood flour reinforced polymer composites; Free flowing pellets; and Safe and easy handling. Food contact: PRIEX® 20093 composition meets the requirements of Commission Directive 2002/72/EC and further amendments. Information provided by Addcomp Polymer Additive Solutions

Order this product through the following link:

http://www.lookpolymers.com/polymer_Addcomp-PRIEX-20093-Maleic-Anhydride-Grafted-PP-homopolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ISO 1183-3
Viscosity Measurement	0.070 - 0.080	0.070 - 0.080	[l/g], Intrinsic viscosity; ISO 1628
Oxidative Induction Time (OIT)	>= 20 min @Temperature 190 °C	>= 20 min @Temperature 374 °F	ISO 11357-6
Melt Flow	9.0 - 13 g/10 min @Load 0.325 kg, Temperature 190 °C	9.0 - 13 g/10 min @Load 0.716 lb, Temperature 374 °F	die 8/2; ISO 1133

Thermal Properties	Metric	English	Comments
Melting Point	160 - 165 °C	320 - 329 °F	ISO 11357-3

Processing Properties	Metric	English	Comments
Processing Temperature	<= 280 °C	<= 536 °F	

Descriptive Properties	Value	Comments
Appearance	White or slightly yellow granules	
Free Aleic Anhydride	<250 mg/kg	Solvay method
Grafted Maleic Anhydride	0.17-0.21%	Solvay method

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