

Addcomp PRIEX® 25093 Maleic Anhydride Grafted PP random copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

Material Notes:

Functionalised polypropylene to be used as compatibiliser for polymer blends or coupling agent for glass fibre, wood flour, natural fibres, multilayer films, aluminium foils, or mineral filled polypropylene. Examples: Compatibilising short-and long glass fibres 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® 25093 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; Lower melting point compared to similar PP homopolymer PRIEX® grades; Excellent coupling agent for short and long glass filled polyolefins providing enhanced physical, mechanical and thermal properties; Excellent coupling agent for natural fibre reinforced polymer composites or wood flour reinforced polymer composites; Free flowing pellets; and Safe and easy handling. Food contact: PRIEX® 25093 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-25093-Maleic-Anhydride-Grafted-PP-random-copolymer.php

| Physical Properties | Metric | English | Comments |
|--------------------------------|--|--|--------------------------------------|
| Viscosity Measurement | 0.080 | 0.080 | [l/g], Intrinsic viscosity; ISO 1628 |
| Oxidative Induction Time (OIT) | >= 30 min @Temperature 190 °C | >= 30 min @Temperature 374 °F | ISO 11357-6 |
| Melt Flow | 8.0 - 12 g/10 min @Load 0.325 kg, Temperature 190 °C | 8.0 - 12 g/10 min @Load 0.716 lb, Temperature 374 °F | die 8/2; ISO 1133 |

| Thermal Properties | Metric | English | Comments |
|--------------------|--------------|--------------|-------------|
| Melting Point | 135 - 145 °C | 275 - 293 °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 | <200 mg/kg | Solvay method |
| Grafted Maleic Anhydride | 0.19-0.24% | Solvay method |

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