GRAFT POLYMER
COMBINE INCOMPATIBLE

TDS | Technical Data Sheet

GRAFTABOND™ POE 01005M IM | Impact Modifier

Product Description

GRAFTABOND™ POE 01005M IM is an ethylene copolymer (polyolefin elastomer) grafted with maleic anhydride.

Typical Properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Physical Form	granules	
Bound MAH	0.25–0.4 wt %	FTIR (Internal Method)
Density	0.872 g/cm^3	ASTM D792
Melt flow rate (MFR) 190 °C / 2.16 kg	10–15 g/10 min (*)	ISO 1133
Moisture (loss on drying) 105 °C	< 0.5 %	ASTM D6980
Glass transition temperature	−55 °C	Internal Method

(*) can be regulated to customer needs

Applications

Impact modifier for polyamide compounds, filled or unfilled: the anhydride reacts with polyamide amine end groups.

Compatibilizes flame-retardant fillers in halogen-free polyolefin wire and cable compounds.

Processing & Dosage

GRAFTABOND™ POE 01005M IM is processable on most thermoplastic processing equipment.

Suitable for extrusion and moulding.

Typical dosage: 5–20 % of the final formulation.

Storage and Transportation

MSDS provided to recommend safe practices during use and storage. Improper storage conditions may cause degradation and affect the product's physical properties. For easy handling and storage, it is normally packed in 20 kg bags (50 bags per pallet).

Store in the original packaging in a cool, dry, well-ventilated area, away from heat sources, moisture and direct sunlight.

Shelf Life

24 months from the date of delivery, in unopened packaging. For any use above this limit, please refer to our technical services.

GRAFT POLYMER D.O.O.
Struge 18, Borovnica 1353 Slovenia
Company Num. 8056200000, VAT. SI 30561345
info@graftpolymer.com

The data listed here falls within the normal range of properties, but they should not be used to establish specification limits nor used alone as the basis of design. The GRAFT POLYMER Company assumes no obligations or liability for any advice furnished or for any results obtained with respect to this information. All such advice is given and accepted at the buyer's risk. The disclosure of information herein is not a license to operate under, or a recommendation to infringe, any patent of GRAFTABOND™ or others. Since GRAFT POLYMER cannot anticipate all variations in actual end-use conditions, GRAFT POLYMER makes no warranties and assumes no liability in connection with any use of this information.