



GRAFTABOND™ PPH-MAH 70025 CA

Polypropylene Homopolymer grafted with Maleic Anhydride

Product Data

Description

GRAFTABOND™ PPH-MAH 70025 CA is a high performance maleic anhydride functioned homo-polypropylene.

The high degree of grafting adds polarity to PP matrices, which greatly improves compatibility of PP with glass reinforcements, natural and inorganic fillers.

This grade is best used as coupling agent for long glass fiber reinforced PP.

Typical Properties

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

Characteristics	Value	Unit	Test Method
Maleic Anhydride Graft Level	≈2,5*	%	FTIR (Internal Method)
Melt Flow Index (190°C / 0,325 kg; Measured) (230°C / 2,16 kg; Calculated)	17-20* ≈700	g/10min	ASTM D1238 / ISO 1133
Drying Loss (105 °C)	>0,5	%	ASTM D6980

(*) can be regulated to customer needs

Supplied as: Granulate

Applications

- GRAFTABOND™ PPH-MAH 70025 CA functions as a coupling agent between reinforcing materials (glass fibers, natural and inorganic fillers) and polypropylene,
- Increased adhesion properties of polypropylene to metal surfaces.

Special Features and Benefits

Performance enhancements in glass-filled polypropylene:

- Easy processing of glass reinforced compounds and thin/complex parts, because of its high flow properties,
- Improved tensile and flexural properties,
- Excellent notched/unnotched Izod and Charpy impact strength,
- Improved performance and cost compared to older modifiers.

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Recommended Additive Levels

1-4 % additive (as supplied) based upon total formulation, depending on the fiber content.

These levels are only for orientation, optimal GRAFTABOND™ PPH-MAH 70025 CA content should be determined experimentally.

Processing

Processable on most thermoplastic processing equipment.

Preferable for: Extrusion (Compounding)

Storage and Transportation

MSDS provided to recommend safe practices during usage.

For easy handling and storage normally packed in 25 kg bags (50 bags per pallet).

Legal Statement

This product, including the product name, shall not be or tested in any medical application without the prior written acknowledgment of Graft Polymer d.o.o as to the intended use. For detailed product information, please contact Customer Service.

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.

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