



## GRAFTABOND™ UHHD-MAH 00020 IM

Functionalized Ultra High Molecular Weight Polyethylene Blend with Maleic Anhydride

### Product Data

#### Description

GRAFTABOND™ UHHD-MAH 00020 IM is an alloy of HDPE and UHMWPE, grafted with maleic anhydride. It is a great compatibilizer for polyethylene blends and an excellent toughening agent, due to the UHMWPE.

#### 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 | 1,5-2* | %       | FTIR (Internal Method) |
| Melt Flow Index              | -      | g/10min | ASTM D1238 / ISO 1133  |
| Drying loss (105 °C)         | < 0,5  | %       | ASTM D6980             |

(\*) can be regulated to customer needs

**Supplied as:** Granulate

#### Applications

- Compatibilizer in engineering plastics composites, compounds and alloys as impact modifier.

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## Product Data Sheet

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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™ UHHD-MAH 00020 IM 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 and storage.

Storage temperature max. 35 °C, relative humidity < 80 %. Avoid direct sunlight and contact with water.

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

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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