GRAFT POLYMER
COMBINE INCOMPATIBLE

TDS | Technical Data Sheet

# GRAFTABOND™ EB 01050G 27 IM/C |Impact Modifier / Compatibilizer

## Product Description

GRAFTABOND™ EB 01050G 27 IM/C is a copolymer of ethylene and butyl acrylate (BA 27 %), grafted with a high level of glycidyl methacrylate (GMA). It adds flexibility and good low-temperature behaviour to the host polymer.

## Typical Properties

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

| | | |
|---|---|---|
| **Physical Form** | granules | |
| **Bound GMA** | 4.5–5 wt % (*) | FTIR (Internal Method) |
| **Melt flow rate (MFR)**<br>190 °C / 2.16 kg | 6–10 g/10 min | ISO 1133 |
| **Moisture (loss on drying)**<br>105 °C | < 0.5 % | ASTM D6980 |

(*) can be regulated to customer needs

## Applications

Impact modifier and compatibilizer for polyolefin–polyester compounds (e.g. PET, PBT): the epoxide groups react with polyester carboxyl and hydroxyl end groups.

## Processing & Dosage

GRAFTABOND™ EB 01050G 27 IM/C is processable on most thermoplastic processing equipment.

Preferred for: Extrusion (Compounding)

Recommended dosage: 2–10 %.

Process at the processing temperature of the host polymer. Epoxide groups react with acid- and anhydride-functional polymers and can form gels: keep residence time short and purge before and after the run.

## 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 25 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.

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