GRAFT POLYMER
COMBINE INCOMPATIBLE

TDS | Technical Data Sheet

GRAFTABOND™ EPDM 00405M IM | Impact Modifier

Product Description

GRAFTABOND™ EPDM 00405M IM is an EPDM grafted with maleic anhydride at a low graft level, used as an impact modifier for polyamide compounds.

Typical Properties

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

Physical Form	granules	
Bound MAH	0.3–0.5 wt %	FTIR (Internal Method)
Melt flow rate (MFR) 230 °C / 5 kg	3–4 g/10 min	ISO 1133 / ASTM D1238
Moisture (loss on drying) 105 °C	< 0.5 %	ASTM D6980

(*) can be regulated to customer needs

Applications

Impact modifier for polyamide compounds: the anhydride reacts with polyamide amine end groups and binds the rubber particles to the matrix.

Raises notched and unnotched Izod and Charpy impact strength, including at low temperature.

Processing & Dosage

GRAFTABOND™ EPDM 00405M IM is processable on most thermoplastic processing equipment.

Preferred for: Extrusion (Compounding)

Typical dosage: 5–20 % of the final formulation; the optimum is set in trials.

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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