GRAFT POLYMER
COMBINE INCOMPATIBLE

TDS | Technical Data Sheet

GRAFTABOND™ PO 03025AM CA |Coupling Agent

Product Description

GRAFTABOND™ PO 03025AM CA is a maleic anhydride grafted polyolefin with a very high melt flow rate and a high graft level, giving good wetting of glass fibre and wood fibre.

Typical Properties

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

Physical Form	granules	
Bound MAH	2.3–2.5 wt %	FTIR (Internal Method)
Melt flow rate (MFR) 230 °C / 2.16 kg	1000–1300 g/10 min	ISO 1133
Moisture (loss on drying) 105 °C	< 0.3 %	ASTM D6980

Applications

Coupling agent for PP and PE wood–plastic composites (WPC) and glass-fibre compounds: the anhydride reacts with hydroxyl groups of wood fibre and with amine/silanol-functional glass sizings.

Coupling agent for glass-fibre-reinforced PP for automotive applications with reduced fogging.

Coupling agent for mineral-filled polypropylene compounds.

Adhesion promoter between polyolefins and polar substrates, such as metals and polar polymers (e.g. PA).

Processing & Dosage

GRAFTABOND™ PO 03025AM CA is processable on most thermoplastic processing equipment.

Preferred for: Extrusion (Compounding)

Typical dosage: 0.8–1.0 % of the final formulation (for 30 % filler); the final dosage depends on the client 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 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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