GRAFT POLYMER
COMBINE INCOMPATIBLE

TDS | Technical Data Sheet

GRAFTABOND™ PLA 03030M CA |Coupling Agent

Product Description

GRAFTABOND™ PLA 03030M CA is a high-performance maleic anhydride-grafted polylactide (PLA-g-MAH). The graft level adds polarity to PLA matrices, improving the compatibility of PLA with mineral fillers.

Typical Properties

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

Physical Form	granules	
Bound MAH	2.5–3 wt %	FTIR (Internal Method)
Melt flow rate (MFR) 190 °C / 2.16 kg	25–35 g/10 min	ISO 1133
Moisture (loss on drying) 105 °C	≤ 0.5 %	ASTM D6980

Applications

Coupling agent for mineral- and natural-fibre-filled PLA compounds.

Compatibilizer for PLA blends with other biopolyesters and starch.

Processing & Dosage

GRAFTABOND™ PLA 03030M CA is processable on most thermoplastic processing equipment.

Preferred for: Extrusion (Compounding)

GRAFTABOND™ PLA 03030M CA is usually added at 0.8–1.2 % of the final formulation.

Dry before use: PLA is sensitive to hydrolysis in the melt.

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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