GRAFT POLYMER
COMBINE INCOMPATIBLE

TDS | Technical Data Sheet

GRAFTABOND™ EV 00525G IM |Impact Modifier

Product Description

GRAFTABOND™ EV 00525G IM is an ethylene–vinyl acetate copolymer grafted with glycidyl methacrylate (GMA). The ethylene backbone makes it compatible with polyethylene and most ethylene copolymers; the vinyl acetate brings flexibility, softness and polarity, and the GMA adds epoxide reactive groups.

Typical Properties

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

Physical Form	granules	
Vinyl acetate content	28 %	FTIR (Internal Method)
Bound GMA	≈ 2.5 wt %	FTIR (Internal Method)
Melt flow rate (MFR) 190 °C / 2.16 kg	≈ 5 g/10 min (*)	ISO 1133 / ASTM D1238
Moisture (loss on drying) 105 °C	< 0.5 %	ASTM D6980
Melting point	74 °C	ISO 11357-3

(*) can be regulated to customer needs

Applications

Impact modifier for PVC, including compounding of transparent PVC films.

Processing & Dosage

GRAFTABOND™ EV 00525G IM is processable on most thermoplastic processing equipment.

Preferred for: Extrusion (Compounding)

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).

Due to its low Vicat softening temperature (< 40 °C), the product may agglomerate, especially in warm storage conditions.

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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