GRAFT POLYMER
COMBINE INCOMPATIBLE

TDS | Technical Data Sheet

GRAFTABOND™ SEBS 00425G IM |Impact Modifier

Product Description

GRAFTABOND™ SEBS 00425G IM is a glycidyl methacrylate (GMA) grafted SEBS with a high graft level, used as a toughening agent and compatibilizer.

Typical Properties

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

Physical Form	granules	
Bound GMA	> 2.5 wt % (*)	FTIR (Internal Method)
Melt flow rate (MFR) 230 °C / 2.16 kg	3.5–4 g/10 min	ASTM D1238 / ISO 1133
Moisture (loss on drying) 105 °C	< 0.5 %	ASTM D6980

(*) can be regulated to customer needs

Applications

Impact modifier and compatibilizer for compounds of polyolefins and styrene-based polymers with polar polymers: the epoxide groups react with carboxyl and hydroxyl end groups of polyesters (e.g. PET, PBT) and with amine and carboxyl end groups of polyamides.

Improved notched and unnotched Izod and Charpy impact strength.

Processing & Dosage

GRAFTABOND™ SEBS 00425G IM is processable on most thermoplastic processing equipment.

Preferred for: Extrusion (Compounding), overmoulding (thermoplastic elastomers)

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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