



GRAFTABOND™ ECO-RG 00525 C

Polyolefin Based Compatibilizer

Product Data

Description

GRAFTABOND™ ECO-RG 00525 C is designed to provide compatibility to polyolefin based recycled plastic scrap and mixtures. It enhances mechanical and processing properties of all polyolefin blends. This grade is grafted with glycidyl methacrylate, providing epoxy functionality.

Typical Properties

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

Characteristics	Value	Unit	Test Method
Glycidyl Methacrylate Graft Level	2-2,5*	%	FTIR (Internal Method)
Melt Flow Index (190°C / 2,16 kg)	5-10*	g/10min	ASTM D1238 / ISO 1133
Drying loss (105 °C)	< 0,5	%	ASTM D6980

(*) can be regulated to customer needs

Supplied as: Granulate

Applications

- Increase mechanical properties of plastic scrap materials and mixtures of different polyolefins and polyestres
- Compatibilizer in thermoplastic composites, compounds and alloys with such materials

Special Features and Benefits

- Improves mechanical properties: stiffness tensile and flexural properties, impact strength

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Product Data Sheet

Recommended Additive Levels

1-5 % additive (as supplied) based upon total formulation, depending on the fiber content.

These levels are only for orientation, optimal GRAFTABOND™ ECO-RG 00525 C content should be determined experimentally in laboratory tests.

Processing

- Processable on most thermoplastic processing equipment.
- Preferable for: Extrusion (Compounding of recycled materials)

Storage and Transportation

MSDS provided to recommend safe practices during usage and storage.

Storage temperature max. 35 °C, relative humidity < 80 %. Avoid direct sunlight and contact with water. For easy handling and storage normally packed in 25 kg bags (50 bags per pallet).

The data listed here falls within the normal range of properties, but they should not be used to establish specification limits nor used alone as the basis of design. The GRAFT POLYMER Company assumes no obligations or liability for any advice furnished or for any results obtained with respect to this information. All such advice is given and accepted at the buyer's risk. The disclosure of information herein is not a license to operate under, or a recommendation to infringe, any patent of GRAFTABOND™ or others. Since GRAFT POLYMER cannot anticipate all variations in actual end-use conditions, GRAFT POLYMER makes no warranties and assumes no liability in connection with any use of this information.

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