



## GRAFTABOND™ LD-MAH 11530 CA

Highly functionalized polyethylene with maleic anhydride

### Product Data

#### Description

GRAFTABOND™ LD-MAH 11530 CA is a coupling agent for polyethylene fiber/filler compound. Designed for compounds with glass fibers.

#### Typical Properties

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

Characteristics	Value	Unit	Test Method
Maleic Anhydride Graft Level	2,5-3*	%	FTIR (Internal Method)
Melt Flow Index (190°C / 2,16 kg)	≈115*	g/10min	ASTM D1238 / ISO 1133
Drying loss (105 °C)	< 0,5	%	ASTM D6980

(\*) can be regulated to customer needs

**Supplied as:** Granulate

#### Applications

- Coupling agent in filled thermoplastic composites, compounds and alloys.

#### Special Features and Benefits

- Coupling agent for polyethylene compounds with glass, wood and other natural fibers,
- Improves mechanical properties: stiffness tensile and flexural properties, impact strength,
- Reduces water absorption in natural fiber filled composites,
- High Maleic Anhydride content.

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## Product Data Sheet

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### Recommended Additive Levels

1-4 % additive (as supplied) based upon total formulation, depending on the fiber content.

These levels are only for orientation, optimal GRAFTABOND™ LD-MAH 11530 CA content should be determined experimentally.

### Processing

Processable on most thermoplastic processing equipment.

Preferable for: Extrusion (Compounding)

### 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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#### GRAFT POLYMER D.O.O.

Emonska Cesta 2, Ljubljana Slovenia.  
Company Num. 8056200000, VAT. SI 30561345  
Phone Num. +38640867937  
[office@graftpolymer.com](mailto:office@graftpolymer.com)

#### GRAFT POLYMER UK LTD

Central Working Victoria Ecclestone Yards 25,  
Ecclestone Pl, London, UK, SW1W 9NF.  
Company Num. 10776788, VAT. 281712016  
[www.graftpolymer.com](http://www.graftpolymer.com)