



## GRAFTABOND™ EV-MAH 12010 TL

Ethylene – Vinyl Acetate copolymer grafted with Maleic Anhydride

### Product Data

#### Description

GRAFTABOND™ EV-MAH 12010 TL is a copolymer of ethylene, so it's compatible with polyethylene and with most other ethylene copolymers. The vinyl acetate brings flexibility, softness and polarity to the material, and maleic anhydride adds reactive groups to GRAFTABOND™ EV-MAH 12010 TL. This combination of monomers leads to excellent adhesion properties to many different substrates, polar and non-polar alike.

#### Typical Properties

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

Characteristics	Value	Unit	Test Method
Vinyl Acetate content	28	%	FTIR (Internal Method)
Maleic Anhydride Graft Level	0,5-1,3*	%	FTIR (internal method)
Melt Flow Index (190°C / 2,16 kg)	≈120*	g/10min	ISO 1133 / ASTM D1238
Drying Loss (105 °C)	<0,5	%	ASTM D6980
Melting point	59	°C	ISO 11357-3

(\*) can be regulated to customer needs

**Supplied as:** Granulate

#### Applications

- GRAFTABOND™ EV-MAH 12010 TL is designed for hot melt adhesive formulations,
- It's compatible with most adhesive resins and waxes,
- Also suitable to produce thermo-adhesive films for solid substrates (PA, films, Al foils).

#### Processing

- GRAFTABOND™ EV-MAH12010 TL is processable on most thermoplastics processing equipment,
- Preferable for: Coextruding, overmolding
- Purge the equipment after a run is completed.

# GRAFTABOND™ EV-MAH 12010 TL

## Product Data Sheet

---

### Storage and Transportation

MSDS provided to recommend safe practices during use and storage. Improper storage conditions may cause degradation and have consequences on physical properties of the product. For easy handling and storage normally packed in 25 kg bags (50 bags per pallet).

Due to its physical properties (Vicat temperature <40°C), the product may agglomerate, especially in hotter storage conditions.

**Shelf Life:** Two years from the date of delivery, in unopened packaging. For any use above this limit, please refer to our technical services.

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.

---

#### 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)