



FUSABOND E100

GRAFTABOND™ HD-MAH 02030 C

MATERIAL PROPERTIES

Chemical Nature: High Density Polyethylene, grafted with Maleic Anhydride
HDPE-g-MAH

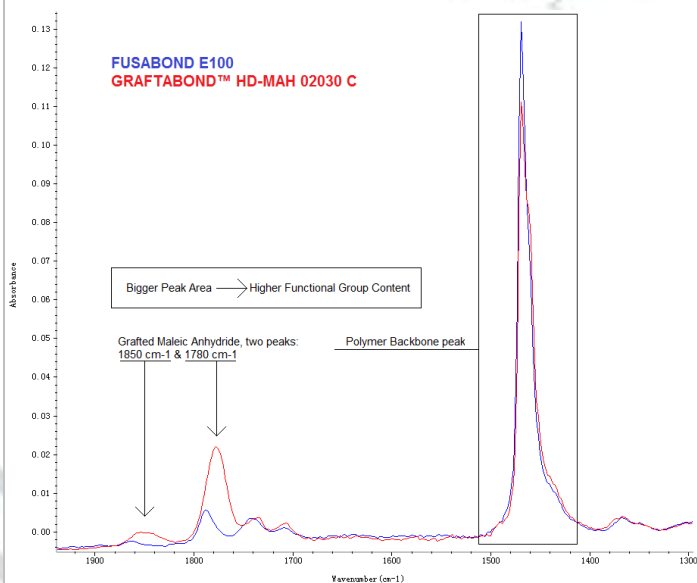


Melt Flow Index (190°C, 2,16 kg)	2 g/10 min	Melt Flow Index (190°C, 2,16 kg)	*20 g/10 min
Maleic Anhydride Grafting Degree	0,7 - 1,1 %	Maleic Anhydride Grafting Degree	*2,5 - 3 %
Volatile Organic Compounds	-	Volatile Organic Compounds	< 0,5 %

*MFI and Grafting Degree can be modified as per customer request

FOURIER-TRANSFORMATION INFRARED SPECTRA COMPARISON

GRAFTABOND™ ADVANTAGES



- **Stable Graft** – Material can be stored sealed for up to 2 years with minimal performance losses
- **High Degree of Grafting** – Less material needs to be added to achieve the same effect as with lower grafted material (Can be diluted)
- **One Step Grafting Process** – Little to no material degradation during processing, whiter color of the material

APPLICATIONS

- Compatibilizer for PE/PA blends
- Coupling agent for natural/glass fiber reinforced PE
- Coupling agent for mineral filler and flame retardant filled PE

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Material Comparison Report

FUSABOND P353

GRAFTABOND™ PPH-MAH 70025 CA

MATERIAL PROPERTIES

Chemical Nature: Polypropylene Copolymer, grafted with Maleic Anhydride
PPC-g-MAH

Chemical Nature: Polypropylene Homopolymer, grafted with Maleic Anhydride
PPH-g-MAH



Melt Flow Index (160°C, 0,325 kg) **22,4 g/10 min**

Melt Flow Index (190°C, 0,325 kg) ***17 g/10 min**

Maleic Anhydride Grafting Degree **1,3 - 1,9 %**

Maleic Anhydride Grafting Degree ***2 - 2,5 %**

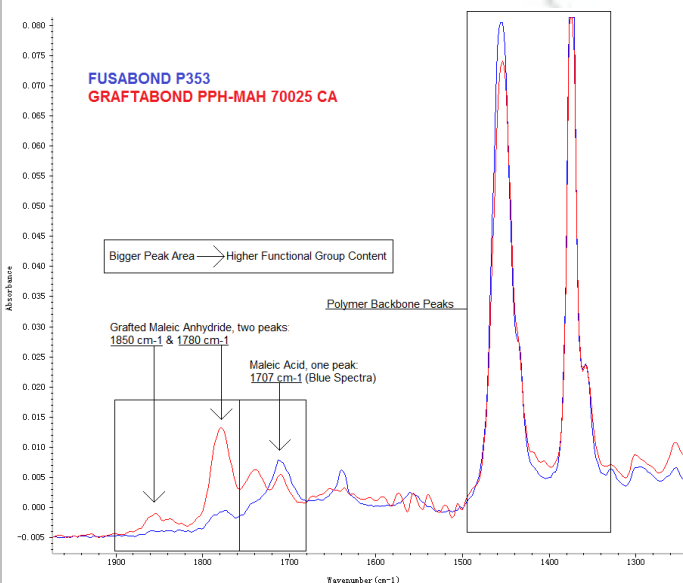
Volatile Organic Compounds **0,2 %**

Volatile Organic Compounds **< 0,5 %**

** MFI and Grafting Degree can be modified as per customer request*

FOURIER-TRANSFORMATION INFRARED SPECTRA COMPARISON

GRAFTABOND™ ADVANTAGES



- **Stable Graft** – Material can be stored sealed for up to 2 years with minimal performance losses
- **High Degree of Grafting** – Less material needs to be added to achieve the same effect as with lower grafted material (Can be diluted)
- **One Step Grafting Process** – Little to no material degradation during processing, whiter color of the material

APPLICATIONS

- Coupling agent for all kinds of glass fiber filled PP
- Adhesion promoter
- Compatibilizer for mineral filler filled PP

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Material Comparison Report

FUSABOND N493

GRAFTABOND™ PO-MAH 00410 IM

MATERIAL PROPERTIES

Chemical Nature: Polyethylene-Octene, grafted with Maleic Anhydride
POE-g-MAH

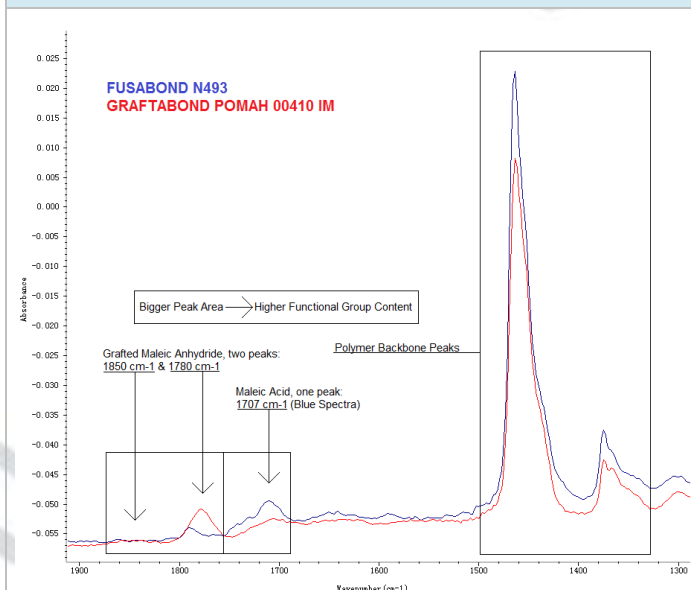


Melt Flow Index (190°C, 2,16 kg)	1,6 g/10 min	Melt Flow Index (190°C, 2,16 kg)	*4 g/10 min
Maleic Anhydride Grafting Degree	0,4 – 0,6 %	Maleic Anhydride Grafting Degree	*0,5 - 1,3 %
Volatile Organic Compounds	-	Volatile Organic Compounds	< 0,5 %
Shore A	72	Shore A	60

* MFI and Grafting Degree can be modified as per customer request

FOURIER-TRANSFORMATION INFRARED SPECTRA COMPARISON

GRAFTABOND™ ADVANTAGES



- **Stable Graft** – Material can be stored sealed for up to 2 years with minimal performance losses
- **High Degree of Grafting** – Less material needs to be added to achieve the same effect as with lower grafted material (Can be diluted)
- **One Step Grafting Process** – Little to no material degradation during processing, whiter color of the material

APPLICATIONS

- Impact toughener and compatibilizer for all PA blends
- Impact toughener and compatibilizer for HFFR filled polyolefin-based compounds (Wire and Cable compounds)
- Blends for golf balls

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Material Comparison Report

FUSABOND A560

GRAFTABOND™ EB-MAH 00730 C

MATERIAL PROPERTIES

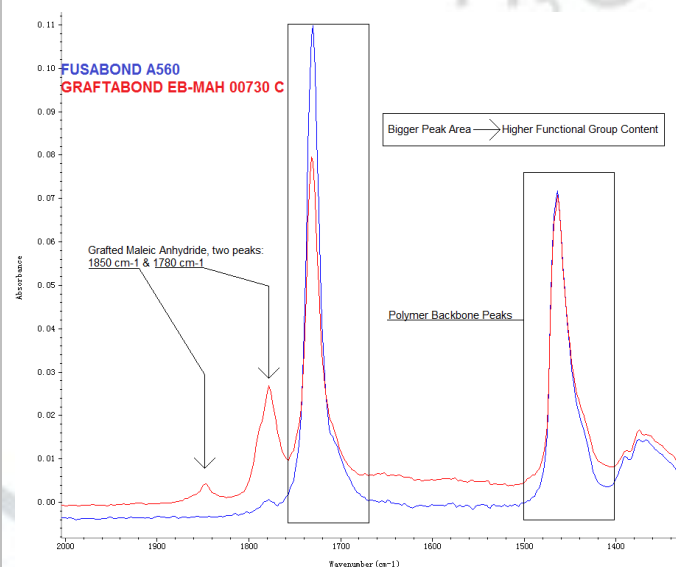
Chemical Nature: Polyethylene-Butyl Acrylate Copolymer, grafted with Maleic Anhydride
EBA-g-MAH



Melt Flow Index (190°C, 2,16 kg)	5,6 g/10 min	Melt Flow Index (190°C, 2,16 kg)	*7 g/10 min
Maleic Anhydride Grafting Degree	≈0,6 %	Maleic Anhydride Grafting Degree	*2,5 – 3 %
Volatile Organic Compounds	-	Volatile Organic Compounds	< 0,5 %

* MFI and Grafting Degree can be modified as per customer request

FOURIER-TRANSFORMATION INFRARED SPECTRA COMPARISON



GRAFTABOND™ ADVANTAGES

- **Stable Graft** – Material can be stored sealed for up to 2 years with minimal performance losses
- **High Degree of Grafting** – Less material needs to be added to achieve the same effect as with lower grafted material (Can be diluted)
- **One Step Grafting Process** – Little to no material degradation during processing, whiter color of the material

APPLICATIONS

- Impact toughener and compatibilizer for polyolefin/PA blends and fiber/mineral filler filled polyolefin composites
- Adds gloss to polyolefin/glass fiber compounds

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Material Comparison Report

ELVALOY PTW

GRAFTABOND™ EB-GMA 01030 C

MATERIAL PROPERTIES

Chemical Nature: Polyethylene-Butyl Acrylate Copolymer, grafted with Glycidyl Methacrylate
EBA-g-GMA

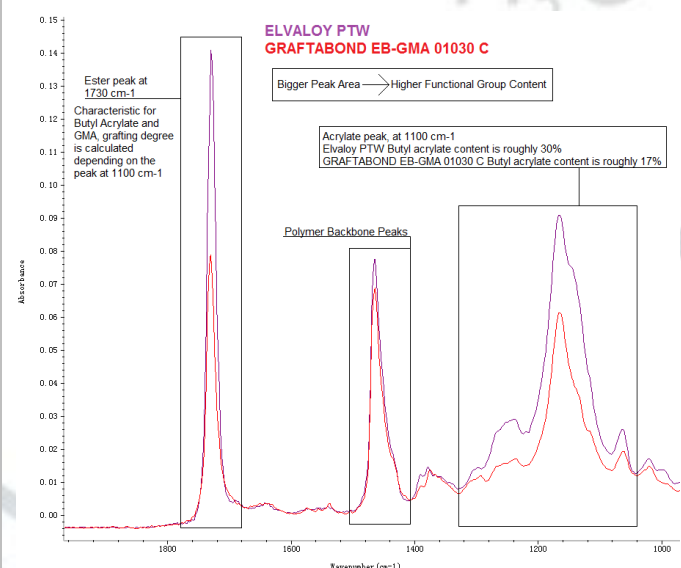


Melt Flow Index (190°C, 2,16 kg)	12 g/10 min	Melt Flow Index (190°C, 2,16 kg)	*10 g/10 min
Glycidyl Methacrylate Grafting Degree	≈2,8 %	Glycidyl Methacrylate Grafting Degree	*2,5 – 3 %
Volatile Organic Compounds	-	Volatile Organic Compounds	< 0,5 %

* MFI and Grafting Degree can be modified as per customer request

FOURIER-TRANSFORMATION INFRARED SPECTRA COMPARISON

GRAFTABOND™ ADVANTAGES



- **Stable Graft** – Material can be stored sealed for up to 2 years with minimal performance losses
- **High Degree of Grafting** – Less material needs to be added to achieve the same effect as with lower grafted material (Can be diluted)
- **One Step Grafting Process** – Little to no material degradation during processing, whiter color of the material

APPLICATIONS

- General purpose impact toughener for a variety of polymers
- Best when used with polyesters (PET, PBT...)
- Increases melt strength of PET

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Material Comparison Report

FUSABOND E528

GRAFTABOND™ LL-MAH 02030 C

MATERIAL PROPERTIES

Chemical Nature: Linear Low Density Polyethylene, grafted with Maleic Anhydride
LLDPE-g-MAH

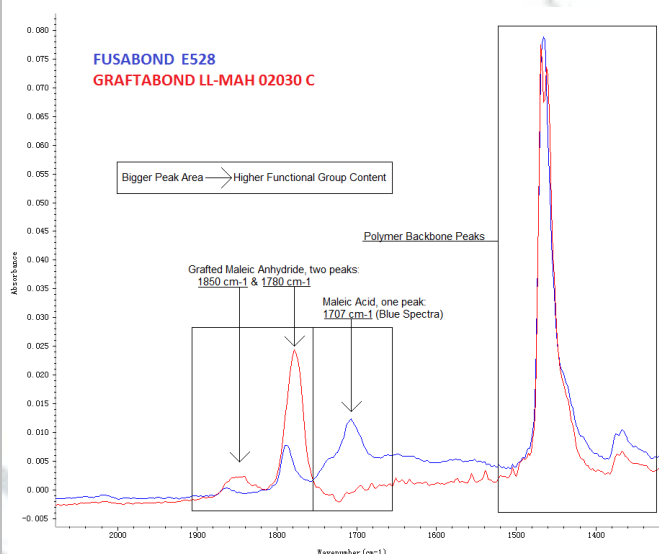


Melt Flow Index (190°C, 2,16 kg)	6,7 g/10 min	Melt Flow Index (190°C, 2,16 kg)	*20 g/10 min
Maleic Anhydride Grafting Degree	≈1,0-1,4 %	Maleic Anhydride Grafting Degree	*2,5 – 3 %
Volatile Organic Compounds	-	Volatile Organic Compounds	< 0,5 %

* MFI and Grafting Degree can be modified as per customer request

FOURIER-TRANSFORMATION INFRARED SPECTRA COMPARISON

GRAFTABOND™ ADVANTAGES



- **Stable Graft** – Material can be stored sealed for up to 2 years with minimal performance losses
- **High Degree of Grafting** – Less material needs to be added to achieve the same effect as with lower grafted material (Can be diluted)
- **One Step Grafting Process** – Little to no material degradation during processing, whiter color of the material

APPLICATIONS

- Compatibilizer for PE/PA blends
- Coupling agent for natural/glass fiber reinforced PE
- Coupling agent for mineral filler and flame retardant filled PE

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Material Comparison Report

FUSABOND N525

GRAFTABOND™ PO-MAH 00410 IM

MATERIAL PROPERTIES

Chemical Nature: Polyethylene-Octene Copolymer, grafted with Maleic Anhydride
POE-g-MAH

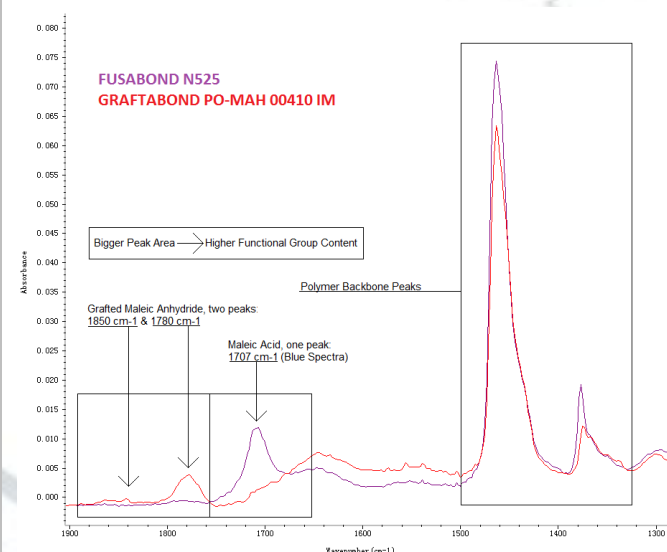


Melt Flow Index (190°C, 2,16 kg)	3,7 g/10 min	Melt Flow Index (190°C, 2,16 kg)	*4 g/10 min
Maleic Anhydride Grafting Degree	0,7-1,1 %	Maleic Anhydride Grafting Degree	*0,5 – 1,3 %
Volatile Organic Compounds	-	Volatile Organic Compounds	< 0,5 %

* MFI and Grafting Degree can be modified as per customer request

FOURIER-TRANSFORMATION INFRARED SPECTRA COMPARISON

GRAFTABOND™ ADVANTAGES



- **Stable Graft** – Material can be stored sealed for up to 2 years with minimal performance losses
- **High Degree of Grafting** – Less material needs to be added to achieve the same effect as with lower grafted material (Can be diluted)
- **One Step Grafting Process** – Little to no material degradation during processing, whiter color of the material

APPLICATIONS

- Impact toughener and compatibilizer for all PA blends
- Impact toughener and compatibilizer for HFFR filled polyolefin-based compounds (Wire and Cable compounds)
- Blends for golf balls

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Material Comparison Report

FUSABOND N416

GRAFTABOND™ EP-MAH 02010 IM

MATERIAL PROPERTIES

Chemical Nature: Ethylene-Propylene-Diene Monomer Rubber, grafted with Maleic Anhydride
EPDM-g-MAH

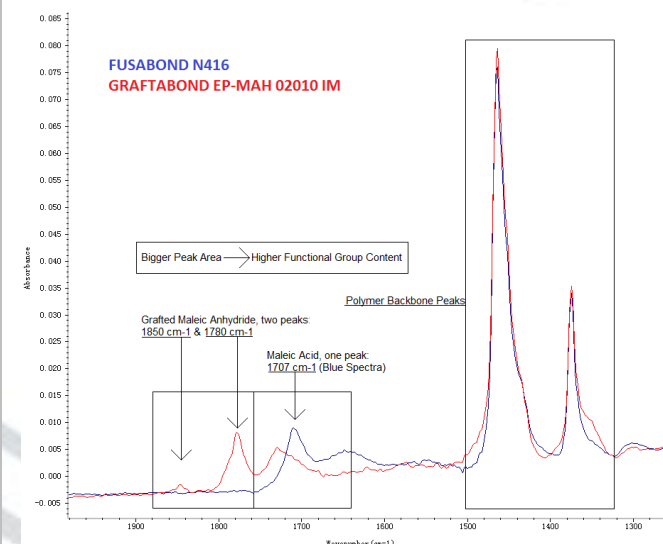


Melt Flow Index (280°C, 2,16 kg)	23 g/10 min	Melt Flow Index (250°C, 5 kg)	*5 g/10 min
Maleic Anhydride Grafting Degree	0,75-1,05 %	Maleic Anhydride Grafting Degree	*0,5-1,3 %
Volatile Organic Compounds	-	Volatile Organic Compounds	< 0,5 %

*MFI and Grafting Degree can be modified as per customer request

FOURIER-TRANSFORMATION INFRARED SPECTRA SPECTRA COMPARISON

GRAFTABOND™ ADVANTAGES



- **Stable Graft** – Material can be stored sealed for up to 2 years with minimal performance losses
- **High Degree of Grafting** – Less material needs to be added to achieve the same effect as with lower grafted material (Can be diluted)
- **One Step Grafting Process** – Little to no material degradation during processing, whiter color of the material

APPLICATIONS

- General purpose impact toughener for a variety of polymers
- Best when used with polyolefins and polyolefin/PA blends

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Material Comparison Report

FUSABOND C250

GRAFTABOND™ EV-MAH 12010 TL

MATERIAL PROPERTIES

Chemical Nature: Ethylene Vinyl Acetate Copolymer, grafted with Maleic Anhydride
EVA-g-MAH

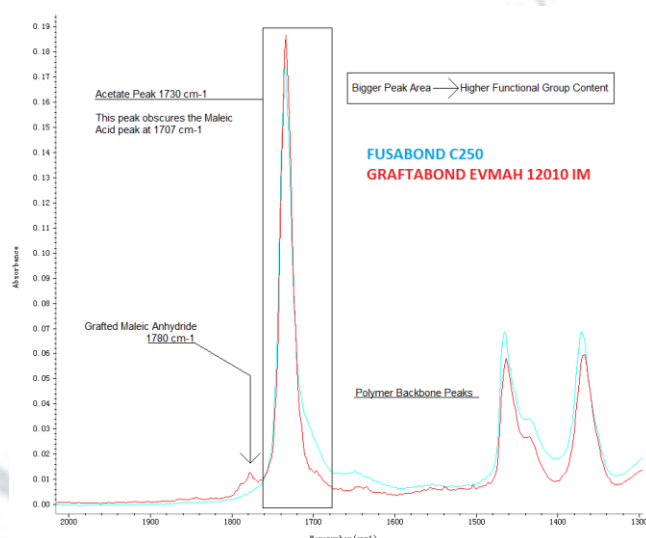


Melt Flow Index (190°C, 2,16 kg)	1,4 g/10 min	Melt Flow Index (190°C, 2,16 kg)	*120 g/10 min
Maleic Anhydride Grafting Degree	1,2-1,7 %	Maleic Anhydride Grafting Degree	*0,5 – 1,3 %
Volatile Organic Compounds	-	Volatile Organic Compounds	< 0,5 %

*MFI and Grafting Degree can be modified as per customer request

FOURIER-TRANSFORMATION INFRARED SPECTRA SPECTRA COMPARISON

GRAFTABOND™ ADVANTAGES



- **Stable Graft** – Material can be stored sealed for up to 2 years with minimal performance losses
- **High Degree of Grafting** – Less material needs to be added to achieve the same effect as with lower grafted material (Can be diluted)
- **One Step Grafting Process** – Little to no material degradation during processing, whiter color of the material

APPLICATIONS

- Adhesion promoter for polyethylene based polymers
- Compatibilizer and toughener for polyolefin blends
- Tie layer in multi-layer films

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Material Comparison Report

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