

PRODUCT OVERVIEW

A maleic-anhydride-grafted polyethylene compatibiliser for mineral-filled HFFR compounds, wood-plastic composites, recycled blends and polar/non-polar interfaces.

Base / family	Functionalised Polyolefins	Primary process	Compounding
Supply form	Pellets	Standard colour	Natural

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Melt flow rate, 190°C/2.16 kg	ISO 1133-1	2.0	g/10 min
Density, 23°C	ISO 1183-1	0.92	g/cm ³
Melting peak	ISO 11357-3	120	°C
Grafted MAH content	Titration / calibrated FTIR	1.0	wt.%
Residual free MAH	GC / HPLC	≤ 0.10	wt.%
Gel fraction	Solvent extraction	≤ 0.50	wt.%
Recommended addition	Compound trial	1-10	%

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS - HFFR compounds - Wood-plastic composites - Recycled PE blends and filled PE	KEY BENEFITS - Controlled MAH functionality - Mineral and fibre coupling - Low-flow variant
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PROCESSING GUIDELINES

Compound with compatible polyethylene at 1-10%. Use controlled residence time and effective venting; dosage depends on filler surface area, moisture and required adhesion.

PACKAGING AND STORAGE 25 kg moisture-resistant bags on pallets. Store dry, below 40°C, away from sunlight and direct heat. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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The information in this document is provided for material selection and processing guidance. Suitability for a specific design, process and end use should be confirmed by the user under actual service conditions.