

SD COMPAT

MAH-10

PE-g-MAH Compatibilizer for Highly Filled HFFR/LSZH Compounds

MAH-10 is a PE-g-MAH compatibilizer supplied as natural-colored granules, with controlled melt flow, low moisture and defined mechanical-performance specifications. Batch-level quality documentation is available for customer evaluation.

GRADE MAH-10	PRODUCT PE-g-MAH Compatibilizer	PHYSICAL FORM Granules
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PERFORMANCE SNAPSHOT

0.8–1.6 MELT FLOW RATE g/10 min	0.90–0.925 DENSITY g/cm ³	≥0.6% MAH GRAFTING LEVEL FTIR
≥15 TENSILE STRENGTH MPa	≥500% ELONGATION AT BREAK	≤0.3% MOISTURE CONTENT

PRODUCT HIGHLIGHTS

- **Controlled flow window:** Melt flow rate specified at 0.8–1.6 g/10 min.
- **Defined mechanical profile:** Tensile strength ≥15 MPa and elongation at break ≥500%.
- **Low-moisture specification:** Moisture content controlled at ≤0.3%.
- **Consistent appearance:** Natural color with no visible variation.
- **Batch traceability:** A batch Certificate of Analysis (COA) is available for supplied lots.

Evaluation note: Final performance depends on the complete formulation, filler treatment and processing conditions. Customers should confirm suitability through their own trials.

SUPPLY & QUALITY

PACKAGING Kraft paper bag	INNER LINER PE liner	STORAGE Cool, dry & shaded	DOCUMENTATION Batch COA available
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Technical information and sample discussions: sales@sdcompat.com

MAH-10

Technical Specifications

SPECIFICATION TABLE

NO.	PROPERTY	UNIT	SPECIFICATION VALUE	TYPICAL VALUE
1	Melt Flow Rate	g/10 min	0.8–1.6	1.1
2	Density	g/cm³	0.90–0.925	0.92
3	MAH Grafting Level (FTIR)	%	≥0.6	0.7
4	Tensile Strength	MPa	≥15	20.6
5	Elongation at Break	%	≥500	702
6	Moisture Content	%	≤0.3	0.15
7	Physical Form / Appearance	—	Natural-colored granules; no visible contamination	Natural-colored granules
8	RoHS	—	Compliant	Compliant

Note: Typical values are based on reference batch 20260219 and are not guaranteed for every batch. Batch acceptance is subject to the applicable COA.

PACKAGING & STORAGE

Supplied in kraft paper bags with an inner PE liner. Store unopened in a cool, dry and shaded location. After opening, reseal promptly and protect the product from moisture and contamination.

QUALITY DOCUMENTATION

Batch COA	Available for supplied lots
RoHS	Compliant according to the source TDS

DISCLAIMER

The information in this Technical Data Sheet is provided in good faith and reflects the specifications contained in the supplied MAH-10 technical documentation. It does not constitute a warranty or a contractual product specification. Product suitability must be determined by the customer under actual formulation and processing conditions. Batch-specific results are governed by the applicable COA.

REQUEST TDS / COA / SAMPLE EVALUATION
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