



MB-UV-PP

UV-Stabiliser Masterbatch – PP Carrier

PRELIMINARY ENGINEERING DATA

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OWNER TECHNICAL & R&D
STATUS CONTROLLED DEVELOPMENT DATA

PRODUCT OVERVIEW

A PP-compatible UV-stabiliser platform requiring separate moulding and fibre/nonwoven sub-grades. Active selection must consider pigments, acidic additives, sulphur/halogen exposure, thickness and service climate. Applications: Outdoor furniture and housewares; PP fibres/nonwovens; Automotive and industrial trim. Key features: Outdoor PP durability; Low-colour option; Moulding/fibre variants.

PRELIMINARY TECHNICAL PROPERTIES

PROPERTY / CONDITION	TEST METHOD	PROVISIONAL VALUE	UNIT
Carrier identity and MFR	FTIR + ISO 1133-1	Defined for each sub- ■ grade	
Active chemistry	Supplier identity + validated HPLC and/or UV ■ absorber; exact ■ chemistry declared		
Total active loading	Validated assay + formulation balance	To be established by sub- ■ grade	wt. %
Moisture / volatile content	Validated method	To be established	wt. %
Filter pressure / spin-pack rise	EN 13900-5 or fibre-line method	Required for ■ fibre/nonwoven sub- ■ grade	
Dosage	Active-ppm calculation + end-use ■ Pigment, section, climate ■ and lifetime dependent		
Weathering retention	ISO 4892-2/-3 or named application ■ method To be established in final ■ formulation		

QUALIFICATION & USE

- Values are development targets, not a sales specification or certificate of analysis.
- Final limits require independent production-lot validation using the cited methods and controlled specimen preparation.
- Regulatory, food-contact, medical, UL, IEC, ATEX or OEM compliance applies only when confirmed in a grade-specific document.