



MB-BK40-PP

40% Carbon-Black Masterbatch – PP Carrier

PRELIMINARY ENGINEERING DATA

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OWNER TECHNICAL & R&D
STATUS CONTROLLED DEVELOPMENT DATA

PRODUCT OVERVIEW

A proposed PP-carrier black-masterbatch platform. It is not yet supported by a PP-specific published benchmark or a frozen carbon-black/carrier formulation and must not be presented as a released grade. Applications: Injection-moulded PP; PP sheet and profiles; Compounds and nonwoven development. Key features: 40% pigment target; PP-compatible carrier; High colour strength target.

PRELIMINARY TECHNICAL PROPERTIES

PROPERTY / CONDITION	TEST METHOD	PROVISIONAL VALUE	UNIT
Carbon-black content	Validated TGA + formulation mass■balance	40 ± 1	wt. %
Carrier identity	FTIR + approved raw-material record	PP sub-grade must be ■declared	
Melt flow rate, 230°C/2.16 kg	ISO 1133-1	To be established by sub-■grade	
Moisture / volatile content	ISO 15512 or validated loss method	≤ 0.20	wt. %
Filter pressure value	EN 13900-5 or validated equivalent	To be established	bar·cm²/g
Dispersion / colour strength	Defined PP let-down protocol	To be established	
Recommended let-down ratio	End-use trial	To be established	%

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.