

TECHNICAL DATA / PRODUCT REFERENCE

WMB-PET-F50

White Masterbatch

50% titanium dioxide fibre-grade white masterbatch in PET and r-PET carriers for direct melt spinning, filament and staple fibre.

Technical specifications

PARAMETER	VALUE
Appearance	White granules
Carrier resin	PET / r-PET
TiO2 content	50.0 ± 0.5%
Colour ΔE (D65/10°)	≤ 0.80
Filter pressure ΔP	≤ 1.00 MPa
Intrinsic viscosity	0.25 ± 0.05 dL/g
Weight of 100 pellets	2.30 ± 0.20 g
Melting point	250 ± 4 °C
Irregular pellets	≤ 0.40%
Moisture, maximum	≤ 0.40%

Processing guidance

PARAMETER	VALUE
Typical addition, semi-dull fibre	0.6%
Typical addition, full-dull fibre	4%

Applications

Direct melt spinning / POY / DTY and FDY yarn / Staple fibre / Bottle-flake repelletising

Technical notes

- Typical values are a starting point for grade selection, not batch specifications. Confirm fibre appearance, filter-pressure behaviour and spinning stability on your own line.
 - Dosage depends on yarn type, target lustre and customer standard. Validate final titanium dioxide level and addition rate through a line trial.
- Compiled technical reference for material evaluation. This document is not a batch certificate or a guarantee of application performance.