

High-Opacity White Masterbatch (Premium Series)

Product Name: Titanium Dioxide (\$TiO₂) White Masterbatch

Product Code: SLM-W750 (High Loading Grade)

Carrier Resin: PE/PP Compatible

Pigment Type: Rutile Titanium Dioxide

Website: www.slmb.com

1. Product Description

SLM-W750 is a high-performance white masterbatch containing premium Rutile \$TiO₂. It is designed for applications requiring maximum opacity, high whiteness, and excellent UV stability. This grade is specifically treated to ensure low abrasion on processing equipment and superior dispersion in thin-film applications.

2. Physical Properties

Property	Test Method	Typical Value	Unit
\$TiO ₂ Content	ASTM D-1603	70% ± 2%	%
Whiteness Index	ASTM E-313	≥ 95	---
Melt Flow Index (MFI)	ASTM D-1238	5.0 – 15.0	g/10 min (190°C/2.16kg)
Density (23°C)	ASTM D-792	1.85	g/cm ³
Moisture Content	ASTM D-644	< 0.10%	%
Heat Resistance	---	280°C	°C

3. Application Areas

- Cast & Blown Film:** Ideal for milk pouches, shopping bags, and courier envelopes requiring high "hiding power."
- Blow Molding:** Pharmaceutical bottles, cosmetic containers, and food-grade packaging.
- Injection Molding:** Household appliances, toys, and electrical components.

4. Technical Advantages

- Superior Opacity:** Achieve full coverage at lower addition rates compared to standard grades.
- Anti-Yellowing:** Enhanced thermal stability prevents yellowing during high-temperature extrusion.
- Food Contact Safe:** Formulated to meet international food packaging standards.

Disclaimer: The information provided above is based on our current knowledge and laboratory testing. It is intended as a general guide. Since the conditions of use are beyond our control, we recommend customers conduct their own trials before full-scale production.

For samples and customized formulations, please visit:  www.slmb.com

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