

## High-Opacity White Masterbatch (Premium Series)

**Product Name:** Titanium Dioxide (\$TiO\_2\$) White Masterbatch

**Product Code:** SLM-W750 (High Loading Grade)

**Carrier Resin:** PE/PP Compatible

**Pigment Type:** Rutile Titanium Dioxide

**Website:** [www.slmmb.com](http://www.slmmb.com)

### 1. Product Description

SLM-W750 is a high-performance white masterbatch containing premium Rutile \$TiO\_2\$. 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% $\pm$ 2%	%
Whiteness Index	ASTM E-313	$\geq$ 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 <sup>3</sup>
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.slmmb.com](http://www.slmmb.com)

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