

Custom Specialty Color Masterbatch

Product Name: High-Saturation Color Masterbatch

Product Code: SLM-C Series (Custom Formulations)

Carrier Resin: Universal / Specific (PE, PP, ABS, PS, PET)

Pigment Type: Organic & Inorganic Pigments

Website: www.slmmb.com

1. Product Description

The SLM-C Series offers a comprehensive range of color solutions tailored to exact Pantone or RAL specifications. Our color masterbatches are engineered for excellent color consistency, high tinting strength, and migration resistance. We utilize advanced spectrophotometry to ensure Delta E (ΔE) color variance is kept to an absolute minimum.

2. Technical Specifications

Property	Test Method	Typical Value	Unit
Pigment Content	Internal Method	15% – 40% (Varies by Color)	%
Color Variance (ΔE)	Spectrophotometer	< 1.0	---
Light Fastness	ISO 105-B02	6 – 8	Grade
Heat Stability	---	220°C – 280°C	°C
Migration Resistance	ASTM D-4488	Grade 5	Grade (1-5)
Pellet Uniformity	Visual	2.0 – 3.0	mm

3. Application Areas

- **Packaging:** Branded FMCG packaging and caps/closures.
- **Consumer Goods:** Sports equipment, outdoor furniture, and tool handles.
- **Fiber & Textile:** Solution-dyeing for non-woven fabrics and synthetic fibers.

4. Customization Services

- **Color Matching:** Send us your sample or Pantone/RAL code, and our lab will provide a match within 48 hours.
- **Functional Combinations:** We can integrate UV stabilizers, Anti-static agents, or Fragrance into your color masterbatch.

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

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