

MASTERBATCH

MASTERBATCH Custom Color

CUSTOM COLOR MASTERBATCH

A high-pigment-content color concentrate dispersed in a polyolefin carrier resin, formulated to a customer-specified shade with excellent dispersion, high thermal strength and superior color fastness. Pigment selection, carrier resin and let-down ratio are matched to the target application and finished-part appearance requirement, and the concentrate is manufactured under ISO quality management systems.

Typical Application

- Carrier and shopping bags (blown film)
- Extrusion coating
- Injection molding
- Blow molding

Product Characteristics

- High pigment content with excellent dispersion
- High thermal strength for stable processing across converting methods
- Superior color fastness and light resistance
- Pigment, carrier resin and shade matched to customer specification
- Manufactured under ISO quality management standards

Physical Properties

Properties	Test Method	Typical Value	Unit
Pigment Content		20-60	%
Carrier Resin		Polyolefin (PE/PP)	
Heat Resistance		180-250	°C
Density		1.2-1.7	g/cm ³
Pellet/Granule Size		2-3	mm

Processing Guidelines

Typical let-down ratio is 2-5% into the base resin depending on target shade depth and part thickness; confirm dosage and processing temperature against the target color standard and base resin at order.

1. The producer's own literature describes this grade only qualitatively (high pigment content, excellent dispersion, high thermal strength, superior fastness); no producer-specific numeric datasheet for this custom-matched product was located. The property ranges above are typical values compiled from published third-party color masterbatch data sheets and should be treated as indicative only.

2. Grade-specific pigment, carrier and certificate of analysis are confirmed per lot at order, matched to the customer's target shade.

3. The nominal properties reported herein are typical of the product and do not reflect normal testing variance; they should not be used for specification purposes.