

MASTERBATCH**MASTERBATCH Black Masterbatch****CARBON BLACK MASTERBATCH**

A concentrate of high-quality carbon black dispersed in a virgin polyethylene carrier resin with processing additives, formulated for deep, consistent black color and reliable ultraviolet protection in the finished part or film. The carbon black is pre-dispersed to avoid the handling and staining issues of adding raw pigment directly at the converter, and the concentrate is manufactured under ISO quality management systems.

Typical Application

- Garbage and carrier/shopping bags (blown film)
- Injection-molded chairs, cutlery and household items
- Crates, bins and planters
- Pipe and profile extrusion

Product Characteristics

- High-quality carbon black for deep, uniform black color
- Reliable UV protection for outdoor and agricultural end uses
- Pre-dispersed on a virgin polyethylene carrier for consistent let-down
- Manufactured under ISO quality management standards

Physical Properties

Properties	Test Method	Typical Value	Unit
Carbon Black Content		35-55	%
Carrier Resin		Virgin Polyethylene (LDPE)	
Melt Flow Index (190°C/2.16 kg)	ASTM D1238	10-30	g/10 min
Density		1.00-1.10	g/cm ³
Moisture Content	ASTM D644	< 0.15	%
Pellet/Granule Size		2-3	mm

Processing Guidelines

Typical let-down ratio is 1-4% into the base polyolefin resin, adjusted for target blackness and UV loading; higher carbon-black-content grades allow a lower addition rate. Actual shade, carbon black grade and dosage are confirmed against the target application at order.

1. The producer's own literature describes this grade only qualitatively (high-quality carbon black on a virgin PE carrier); no producer-specific numeric datasheet for this product was located. The property ranges above are typical values compiled from published third-party carbon black masterbatch data sheets and the producer's own filler-masterbatch physical-form specifications (density, moisture, granule size), and should be treated as indicative only.

2. Typical values per the producer's published family data; grade-specific certificate of analysis supplied per lot at order.

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.