

Technical Data Sheet: Concentrated MnO₂

Header Information

- **Company Name:** BTLnewmaterial
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Product Description

Concentrated MnO₂ powder, $\geq 98\%$ purity, designed for artisan glass blowing studios. Ideal for producing rich brown and black tones in handmade glass, providing consistent color development and heat stability. Suitable for small-scale and studio-scale glass coloring applications.

Key Features

- High-purity MnO₂ ensures uniform color in artisan glass.
- Fine, concentrated powder for precise color control.
- Thermally stable for high-temperature glass applications.
- Low moisture content minimizes clumping.
- Easy to measure and mix for small-batch studio use.
- Consistent quality batch-to-batch.

Technical Specifications

Parameter	Typical Value	Unit	Notes
MnO ₂ Content	98 – 99	%	High-purity for consistent coloring
Particle Size (D50)	5 – 25	µm	Fine powder for smooth dispersion
Moisture	≤0.5	%	Low moisture to prevent reaction issues
Bulk Density	1.0 – 1.3	g/cm ³	Easy to handle in studio processes
Color	Dark brown/black	–	Stable under high-temperature glass melting

Applications

- **Handmade Glass Art** – Produces deep brown and black shades in artisanal glass pieces.
- **Studio Glass Blowing** – Suitable for precise color additions in small-scale furnaces.
- **Glass Beads & Ornaments** – Enables rich, consistent coloring for decorative glass items.

Packaging & Supply

- 1 kg, 5 kg, and 25 kg bags available.
- Suitable for international shipping.
- Custom packaging options upon request.