

# Powders and Rare Earth Specification Sheet

3 products in 3 categories.

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Specifications in this document are taken from the plant specification sheets. Sizes not listed are quoted on request. Bond, diamond concentration and grit are specified per application — send the material, the machine and the size with your enquiry.

## Powders and Rare Earth

3 categories · 3 products

### CBN Powder (1)

CBN powder for tool making and ferrous grinding

#### CBN Powder

**CBN Powder** — CBN powder for ferrous grinding applications

CBN stays chemically stable against iron at grinding temperatures, which is why steel work uses it instead of diamond. Produced under high temperature and high pressure, mesh size to your specification.

**Application:** used to produce CBN tools or as grinding materials

**Process:** high temperature, high pressure

**Remark:** please tell us your application and mesh size, we will offer the best solution for you

### Cerium Oxide (1)

Rare earth cerium oxide grades for glass and optical polishing

#### Cerium Oxide

**Cerium Oxide** — Rare earth cerium oxide exported worldwide

The same FY grade ladder supplied as a rare earth product for glass, mirror and optical polishing. Thirteen grades with chemical and physical index values, shipped in bulk to order.

| Item ID | Chemical Index        | Physical Index |                                                          |     |         |               |                                    |       |            |
|---------|-----------------------|----------------|----------------------------------------------------------|-----|---------|---------------|------------------------------------|-------|------------|
| TREO    | CeO <sub>2</sub> /REO | F              | PH                                                       | D50 | D90     | Poisson ratio | Suspension                         | Color |            |
| FY-1660 | ≥96                   | 70±5           | 4-7                                                      | 7±1 | 1.0±0.1 | ≤2.82         | 1.0±0.1                            | ≤3ml  | White/Pink |
| FY-1667 | ≥94                   | 70±5           | 4-7                                                      | 7±1 | 1.0±0.1 | ≤3.2          | 1.0±0.1                            | ≤4ml  | White      |
| FY-T106 | ≥96                   | ≥80            | 4-7                                                      | 7±1 | 1.2±0.1 | ≤3.2          | 0.8±0.1                            | ≤3ml  | White/Pink |
| FY-H109 | ≥96                   | 75±2           | 4-7                                                      | 7±1 | 2.0±0.2 | ≤5.2          | ≥1.3                               | ≤3ml  | White/Pink |
| FY-H108 | ≥90                   | 60±5           | 4-7                                                      | 7±1 | 2.0±0.2 | ≤8.0          | 0.7±0.1                            | ≤10ml | Pink       |
| FY-H107 | ≥96                   | ≥80            | 4-7                                                      | 7±1 | 1.3±0.1 | ≤4.0          | 1.0±0.1                            | ≤3ml  | White/Pink |
| Item ID |                       |                | Application Range                                        |     |         |               | Application Products               |       |            |
| FY-1660 |                       |                | High precise polishing for soft and softer optical glass |     |         |               | LCD monitor & IC optical film      |       |            |
| FY-1667 |                       |                | Polishing for precise optical lens and LCD monitor       |     |         |               | Precise optical lens & LCD monitor |       |            |
| FY-T106 |                       |                | High-speed polishing for softer precise optical glass    |     |         |               | Precise optical lens & Glass mould |       |            |
| FY-H108 |                       |                | Polishing for high-lead hard glass                       |     |         |               | Rhinestone & Crystallized glass    |       |            |
| FY-H109 |                       |                | Pre-treatment for glass                                  |     |         |               | Flat glass                         |       |            |

| Item ID | Application Range               | Application Products    |
|---------|---------------------------------|-------------------------|
| FY-H107 | Polishing for medium hard glass | Watch glass & Art glass |

## Diamond Powder (1)

Synthetic diamond powder for tool making and lapping

### Diamond Powder

**Diamond Powder** — Synthetic diamond powder for tools and lapping

Produced under high temperature and high pressure, the powder is supplied either as raw material for diamond tool production or as loose grinding material. Mesh size is specified against your application.

**Application:** used to produce diamond tools or as grinding materials

**Process:** high temperature, high pressure

**Remark:** please tell us your application and mesh size, we will offer the best solution for you