

ZHENGZHOU HAIXU ABRASIVES CO.,LTD

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TECHNICAL DATA SHEET

PRODUCT: Rare Earth Polishing Powder

DESCRIPTION:

Rare earth polishing powder is a grinding material made from rare earth as raw material, which undergoes high-temperature roasting and chemical extraction. The main component of cerium oxide polishing powder is cerium oxide, and there are also substances such as praseodymium oxide, rubidium oxide, lanthanum oxide, etc. The characteristics of cerium oxide rare earth polishing powder are fast polishing speed, high smoothness, and easy removal. Compared to traditional grinding materials, the rare earth polishing process is the result of the combined action of mechanical friction and chemical removal. Therefore, cerium oxide polishing powder can achieve a brighter surface effect. Mainly used for polishing optical glass, semiconductor glass crystals, chips, gemstones and other products.

PHYSICAL INDEX[%]:

CAS No.	1306-38-3
Formula	Cerium Oxide(CeO ₂)
Appearance	Light Yellow, white, red
ENS NO.	215-150-4
True Density	6.5-7.15g/cm ³
Melting Point	2600 Centigrade
water-solubility	Insoluble

SPECIFICATIONS:

Type	Chemical	Particle size	Color
Cerium oxide powder	CeO ₂ :99%,99.5%,99.95%,99.99%	0.71-0.83um,0.8-1.0um, 1.325-1.5um	Light Yellow
Lanthanum Cerium oxide Powder	CeO ₂ :64-68% La ₂ O ₃ :32-36%,	1.0-1.2um, 1.325-1.5um	Gray White
Lanthanum -Praseodymium Cerium oxide Powder	CeO ₂ :60-70% La ₂ O ₃ :30-40% Pr ₆ O ₁₁	0.8-1.2um,1.8-2.2um	Red

Other purity and particle size are available upon request.

APPLICATIONS :

High precision grinding and polishing of optical glass, integrated circuit substrate glass, electroplated substrate glass, high-precision optical lenses, camera lenses, aircraft tempered glass, various display glass and other products. It plays a role in decolorizing, clarifying, and absorbing ultraviolet and electron rays in glass.

The shown values are typical characteristics of the material and shall not be used to prepare specifications. They are submitted to tolerances of the production and meet the present standard of technique. We reserve our right for changes within the scope of technical progress or internal improvement..

郑州市海旭磨料有限公司
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