

SPARKX Cerium X-100 Polishing Powders are manufactured from the highest quality Cerium Oxide and have been specially developed for an optimal surface finish.

SPARKX high performance Cerium Polishing Powders are suitable for various kinds of glass and perform very well across a wide range of speeds, pressures and polishing media. All the products are environmentally friendly and non-hazardous, disperse easily in water and rinse off easily after use. Various grades of Cerium Oxide Polishing Powder are widely applied in flat glass, CRT, LCD, TFT glass, mirrors, glasses, optical glass, optical lenses and many other fields of glass industry.

- PRODUCT BENEFITS**
- Rare Earth purity levels up to 99.9%
 - Low to sub-Angstrom finishes
 - Compatible with pads and synthetic media
 - Radiation free and non-hazardous
 - Wide range of particle sizes
 - Ability to achieve scratch dig down to zero
 - Variety of custom made concentrations
 - Environmentally friendly & child labour free

PRODUCT SPECIFICATION

Product brand	CERIUM X-100 POLISHING POWDER	CERIUM X-100 POLISHING POWDER	CERIUM X-100 POLISHING POWDER	CERIUM X-100 POLISHING POWDER
Group	Rare Earth Oxides	Rare Earth Oxides	Rare Earth Oxides	Rare Earth Oxides
Type / code	SPARKX Cerium X-100 White	SPARKX Cerium X-100 Off White	SPARKX Cerium X-100 Light Yellow	SPARKX Cerium X-100 Light Pink

CHEMICAL COMPOSITION

CeO ₂ / TREO	100%	100%	100%	100%
CeO ₂ purity	99.9%	99.9%	99.9%	99.9%
Loss on ignition	1%	1%	1%	1%
Appearance	white powder	off-white powder	light yellow powder	light pink powder

PRODUCT CHARACTERISTICS

Standard average partical size	2.2 (+/- 0.3) micron	2.2 (+/- 0.3) micron	2.2 (+/- 0.3) micron	2.2 (+/- 0.3) micron
Optional partical sizes	0.5 - 10 micron	0.5 - 10 micron	0.5 - 10 micron	0.5 - 10 micron
Density	6.0 - 8.0 g/cm ³	6.0 - 8.0 g/cm ³	6.0 - 8.0 g/cm ³	6.0 - 8.0 g/cm ³
pH in water	7.0 - 8.0 (+/- 0.5)	7.0 - 8.0 (+/- 0.5)	7.0 - 8.0 (+/- 0.5)	7.0 - 8.0 (+/- 0.5)
Packing is airtight	1.0 kg, 5.0 kg, 20.0 kg, 1000 kg	1.0 kg, 5.0 kg, 20.0 kg, 1000 kg	1.0 kg, 5.0 kg, 20.0 kg, 1000 kg	1.0 kg, 5.0 kg, 20.0 kg, 1000 kg
Application	For glass polishing, beveling, mass lens production and the highest quality finishes for precision optics industry	For glass polishing, beveling, mass lens production and the highest quality finishes for precision optics industry	For glass polishing, beveling, mass lens production and the highest quality finishes for precision optics industry	For glass polishing, beveling, mass lens production and the highest quality finishes for precision optics industry

SPARKX CONCEPT BENEFITS

Consistent quality, guaranteed optical clear surface	High delivery reliability and batch reservation possible	Tested in independent laboratories	Raw materials passport and product data sheets	Research & Development in association with end users	Service desk for information and calamities
--	--	------------------------------------	--	--	---

The specifications are only for reference, custom specification manufactures are possible. More detailed information including MSDS, lot weight, packaging condition, lead time and price are available on request. Please send an enquiry and you will rapidly receive our reply. We export worldwide, and hold regular stock of common Rare Earth Oxides & Compounds. For research and samples, we offer prompt delivery within the EU, USA and fast delivery for the rest of the world.