

SPARKX CeriPro X-line Polishing Powders are manufactured from the highest quality Cerium Oxide and have been specially developed for 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 lens and many other field 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 GLASS POLISHING POWDER	CERIUM GLASS POLISHING POWDER	CERIUM GLASS POLISHING POWDER	CERIUM GLASS POLISHING POWDER
Group	Rare Earth Oxides	Rare Earth Oxides	Rare Earth Oxides	Rare Earth Oxides
Type / code	SPARKX CeriPro X-6535	SPARKX CeriPro X-7525	SPARKX CeriPro X-8515	SPARKX CeriPro X-9010

### CHEMICAL COMPOSITION

CeO <sub>2</sub> / TREO	65%	75%	85%	90%
CeO <sub>2</sub> purity	99.9%	99.9%	99.9%	99.9%
Loss on ignition	3%	3%	3%	3%
Appearance	off white powder	off white powder	off white powder	off white powder

### PRODUCT CHARACTERISTICS

Standard average partical size	2.2 (+/- 0.3) micron	2.2 (+/- 0.3) micron	1.8 (+/- 0.3) micron	1.6 (+/- 0.3) micron
Optional partical sizes	0.5 - 6 micron	0.5 - 6 micron	0.5 - 6 micron	0.5 - 6 micron
Density	6.0 - 8.0 g/cm <sup>3</sup>	6.0 - 8.0 g/cm <sup>3</sup>	6.0 - 8.0 g/cm <sup>3</sup>	6.0 - 8.0 g/cm <sup>3</sup>
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 pre-coating glass, pre-silvering, flat glass & mirror cleaning	For mass lens production, high speed mirror polishing, bevelling, flat glass, goggles & spectacles	For rapid stock removal and high quality finish of optical lenses	For the highest quality optical lenses, optical instruments and 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 receive our reply within 24 hours. We export worldwide, and hold regular stock of common Rare Earth Oxides & Compounds. For research and samples, we offer prompt delivery to the EU, USA and fast delivery for the rest of the world.