

## Technical Data Sheet

### Dura-Gloss Cerium Oxide Polishing Powder

Dura-Gloss is engineered to produce high material removal rate (MRR) and outstanding surface finish. The cerium particles don't wear out as quickly as competitors' products. They are capable of working longer without requiring you to add material to maintain polish quality. This results in less cerium consumption and reduced cerium cost.

- **Highest material removal rate.** Excellent surface finish
- Durable powders capable of working longer
- **Excellent suspension system** ensures powders are well suspended and dispersed
- Powders will not stick to the glass surface. Slurry can be easily removed from the glass

#### Typical Physical Properties

**Appearance** Light red powder

#### Composition

Cerium Oxide	60 -- 70%
Lanthanum Oxide	20 – 30%
Praseodymium	1 - 5%
Neodymium Oxide	1 - 5%
Rare Earth Fluorides	1 - 5%

#### Particle Size (coulter)

D50	1.0 – 2.0 $\mu\text{m}$
D100	< 8 $\mu\text{m}$

**pH** (at 5% slurry) 6.5 – 7.0

**Tap Density** 1.6 to 2.0

#### Applications

Filter lenses, ophthalmic lenses, precision optics.

#### Recommended Slurry Temperature

75° -- 100° F (24° - 38° C)

**Suspension Quality** Excellent

#### Recommended Concentration

40 – 100 grams/liter ( 4 – 10 Baume)

**Reliable Excellence in Surfacing Materials Since 2001**