

Gordon Glass Premium Optical Grade Cerium Oxide Powder

Updated: July 2020

A premium high purity optical grade cerium oxide polishing compound designed for the flat glass and precision optics industries.

The Gordon Glass Premium Optical Grade Cerium Oxide powder has a tightly controlled particle size distribution; manufactured with strict Dmax control. It can produce high quality scratch-free surfaces with very low levels of surface roughness.

- Consistent polishing performance. Good glass removal rate.
- Excellent surface finish. Does not stain glass. Slurry does not dry out quickly.
- Superior suspension quality. Does not block plumbing. Does not settle hard.
- Easy to clean. No sticking to glass or machine.



Typical Physical Properties

Appearance	White powder
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Composition

Total Rare Earth Oxide	92 - 98%
Cerium Oxide	65 - 75%
Lanthanum Oxide	20 - 30%
Rare Earth Fluorides	3 - 10%

Particle Size (coulter)

D ₅₀	1.2 - 1.7 μm
D ₁₀₀	< 6 μm

pH 6.5 - 7.0

Tap Density	1.6 to 1.8
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Applications

Designed for polishing precision optics, ophthalmic lenses, flat glass and mirror, and crystals.

Suspension Quality	Excellent
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Recommended Slurry Temperature

75° - 100° F (24° - 38° C)

Recommended Concentration

40 - 100 grams/liter (4 - 10%)

