



Electro Optical Components, Inc.

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GOS Ceramic



Density (g/cm ³)	7.34
Hardness (Mohs)	4.5
Decay time (ns)	3000
Afterglow	<0.1%@3ms
Wavelength of emission max (nm)	510
Light Yield (Photons/MeV)	25000~30000
Cleavage	None
Hygroscopic	None

GOS doped with rare earth ion has relatively high light output and extremely low afterglow, the emission peaks range from 470-900 nm with spectral sensitivity of silicon photodiodes, and it has been widely used for CT scanners, security instruments and non destructive testing.

Key Features

- Emission wavelength at 510 nm
- Compatible with photodiode readout

Applications:

- Container scanning systems
- Safety inspection imaging
- NDT(nondestructive testing)