



Ce:YAP Crystal

Density (g/cm ³)	5.4
Hardness (Mohs)	8.5
Melting Point (°C)	1875
Decay time (ns)	25
Peak Emission (nm)	370
Light yield (Photons/MeV)	25000
Refractive index	1.96
Hygroscopicity	None
Light output (NaI:Tl)	70%
Energy resolution	<5%

Ce:YAP scintillator is a fast, mechanically strong and chemically resistant scintillation material. Its high mechanical properties enable precise machining and entrance windows can be made with a very thin aluminum layer deposited directly on the entrance surface of the crystal.

Key Features

- Mechanical resistance and stability
- Fast decay time
- Non hygroscopic

Applications:

- Gamma and X-ray counting
- Electron microscopy
- X-ray imaging screens
- Tomography systems