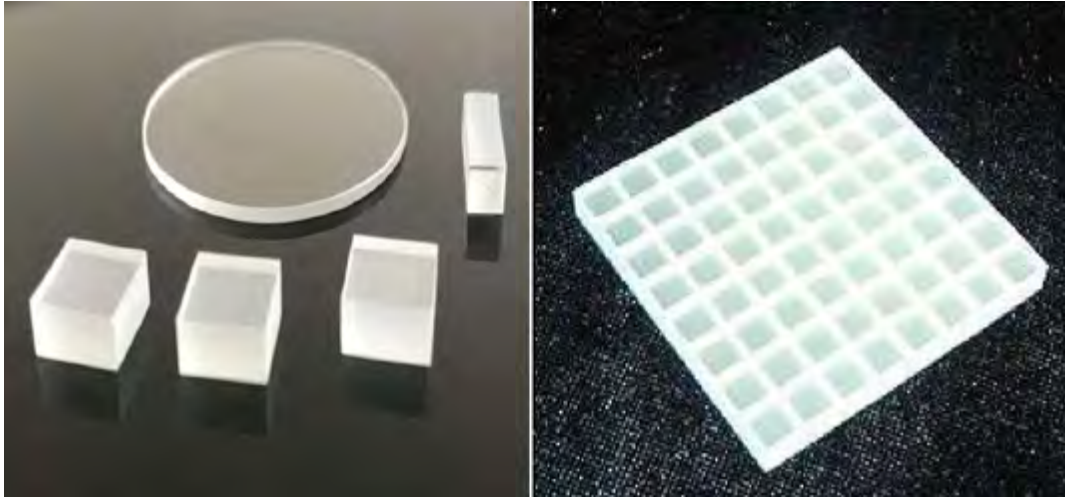




CdWO4 Crystal



Density (g/cm ³)	7.9
Melting Point (°C)	1598
Hardness (Mohs)	4-4.5
Index of Refraction	2.2~2.3
Decay time (ns)	14000
Wavelength of emission max (nm)	475
Light yield (Photons/MeV)	12000~15000
Hygroscopicity	None

CdWO₄ crystal is an excellent scintillation detection material, it has features with high density, low afterglow, good radiation resistance, high light yield, and make it widely used in the medical CT and X ray security inspection systems.

Key Features

- High density
- High light yield
- Short radiation length
- Low afterglow

Applications:

- Environmental monitoring
- X-ray Computed Tomography
- Container scanning system
- Safety inspection
- High energy physics