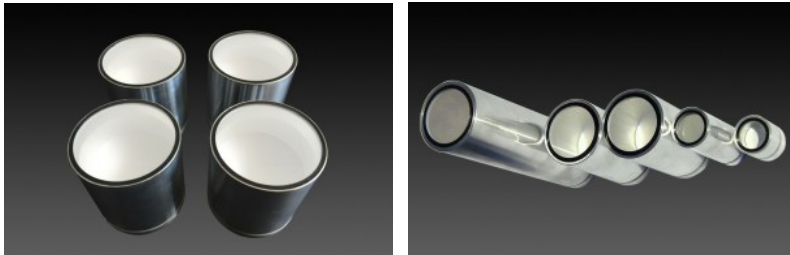


CsI(Na) Scintillator

General properties of CsI(Na) scintillator

Melting point(k)	894
Density (g/cm ³)	4.51
Cleavage plane	no
Hardness (Mho)	2.0
Wavelength of emission Max(nm)	420
Primary decay time (ns)	630
Light output (%relatively of NaI:TI)	85
hygroscopic	yes
Refractive index	1.84



Basic information of CsI(Na) scintillator:

Sodium doped cesium iodide, CsI(Na) scintillator, has the relatively high light output, around 85% of NaI (TI) scintillator, and it has good mechanical and thermal shock resistance, which can be well used in the harsh environment like oil well logging field after encapsulation.

Growth method: Bridgman

Maximum dimension: \varnothing 90 mm x 300 mm

Available items: Crystal blank and Encapsulated

Production of CsI(Na) scintillator:

The CsI(Na) crystal was produced by using the Bridgman method, currently we grow \varnothing 90 mm x 300 mm length crystal blank stably. CsI(Na) crystal was heavily hygroscopic and has to be encapsulated in actual applications, and we have various encapsulated choice based on the specific applied environment, such as aluminum, stainless steel and titanium housing.

Application of CsI(Na) scintillator:

Due to its high stopping gamma ray power and excellent mechanical&thermal shock resistance, the CsI(Na) was well suited for well logging, spaced research and other harsh environment applications.