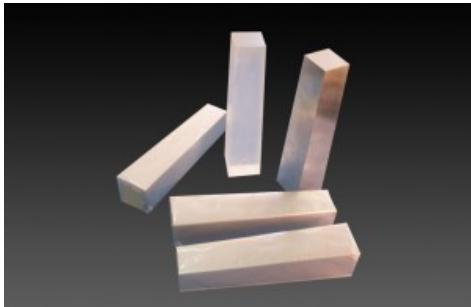


CsI(Pure) Scintillator

General properties of CsI(Pure) scintillator

Melting point(k)	894
Density (g/cm ³)	4.51
Cleavage plane	no
Radiation length(cm)	1.86
Wavelength of emission Max(nm)	315
Decay time (ns)	16/1,000
Light output (Photons/MeV)	16,800
hygroscopic	slightly
Refractive index	1.95



Basic information of CsI(Pure) scintillator:

Undoped CsI scintillator has the main short decay time at 16 ns, there is also a much slow component at 1000 ns, compared with doped CsI, it has good anti-radiation hardness, with which nearly no radiation damage can be seen for does up to 1000 Gray and can be self-recovered after some time.

Growth method: Bridgman

Maximum dimension: \varnothing 90 mm x 300 mm length

Available item: Single crystal