



CRYSTAL MATERIALS INDEX

Sodium doped Caesium Iodide CsI(Na)

Properties	Value
Cleavage Planes	None
Decay Constant (ns)	630
Density (g.cm-3)	4.51
Emission Spectral Range (nm)	325-575
Gamma and X-ray absorption coefficients (cm-1)	0.48 at 660keV 10.00 at 100KeV
Melting Point (K)	894
Peak Scintillation Wavelength (nm)	420
Photons/MeV	38500
Radiation Length (cm)	1.86
Refractive Index at peak emission	1.84
Solubility (g/100g H ₂ O @ 300K)	44.0
Stability	Deliquescent
Structure	Cubic
Therman Conductivity (W·m-1·K-1) @ 300K	
Transmission Range (nm)	

A rugged material with high light output often used for geophysical applications. Does exhibit moisture sensitive properties.

(All data is for information only and believed to be correct. Hilger Crystals does not accept any liability otherwise.)