



CRYSTAL MATERIALS INDEX

Zinc Selenide (Te) - ZnSe(Te)

Properties	Value
Cleavage Planes	None
Decay Constant (ns)	300-700
Density (g/cm ³)	5.42
Emission Spectral Range (nm)	610-640
Gamma and X-ray absorption coefficients (cm-1)	
Melting Point (K)	1798
Peak Scintillation Wavelength (nm)	630
Photons/MeV	>50000
Radiation Length	
Refractive Index at peak emission	2.6
Solubility (g/100g H ₂ O @ 300K)	0.001
Stability	Good
Structure	FCC Cubic
Thermal conductivity (W-m-1-K-10 @ 300K)	19
Transmission Range (nm)	500-20000

ZnSe(Te) is a radiation hard robust crystal scintillator offering good light output, good energy resolution and fast decay time. Typical applications include medical imaging systems and security.

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