



## CRYSTAL MATERIALS INDEX

# Zinc Tungstate

Properties	Value
Cleavage Planes	(010)
Decay Constant (ns)	20000
Density (g.cm-3)	7.62
Emission Spectral Range (nm)	310-500
Gamma and X-ray absorption coefficients (cm-1)	
Melting Point (K)	1493
Peak Scintillation Wavelength (nm)	490
Photons/MeV	9500
Radiation Length (cm)	1.1
Refractive Index at peak emission	2.32
Solubility (g/100g H <sub>2</sub> O @ 300K)	Insoluble
Stability	Good
Structure	Monoclinic
Therman Conductivity (W·m-1·K-1) @ 300K	
Transmission Range (nm)	

# ZnWO<sub>4</sub>

A high density crystal with good radiation resistance and low afterglow properties. Typically used for particle physics and dark matter research.

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