



CRYSTAL MATERIALS INDEX

CLYC

Properties	Value
Cleavage Planes	None
Decay Constant (ns)	1/50/1000
Density (g.cm-3)	3.31
Emission Spectral Range (nm)	275-450
Gamma and X-ray absorption coefficients (cm-1)	0.25 at 662KeV 3.97 at 100KeV
Melting Point (K)	913
Peak Scintillation Wavelength (nm)	370
Photons/MeV	20000
Radiation Length (cm)	3.42
Refractive Index at peak emission	1.81
Solubility (g/100g H ₂ O @ 300K)	0.0017
Stability	Hygroscopic
Structure	Cubic
Therman Conductivity (W·m-1·K-1) @ 300K	0.67
Transmission Range (nm)	130-10000

Cs₂LiYCl₆(Ce)

Widespread application as a non-hygroscopic crystal with application for lowenergy and particle detection.

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