

**substance: YbSe**

**property: crystal structure, physical properties**

**crystal structure** cubic ( $O_h^5 - Fm3m$ )

**lattice parameters**

$a$  5.934(1) Å 74P

**energy gap**

$E_g$  1.5 eV 74N

$dE_g/dp$   $-9.8 \text{ meV kbar}^{-1}$  74N

**bulk modulus**

$B_0$  610(50) kbar 74J

**resistivity**

$\rho$  100 Ω cm 64R

**optical absorption: Fig. 1**

## References:

- 64R Reid, F. J., Matson, L. K., Miller, J. F., Himes, R. C.: J. Phys. Chem. Solids 25 (1964) 969.
- 74J Jayaraman, A., Singh, A. K., Chatterjee, A., Usha Devi, S.: Phys. Rev. B 9 (1974) 2513.
- 74N Narayanamurti, V., Jayaraman, A., Bucher, E.: Phys. Rev. B 9 (1974) 2521.
- 74P Petzel, T.: Inorg. Nucl. Chem. Lett. 10 (1974) 119.

**Fig. 1.**

Yb-chalcogenides. Absorption coefficient vs. wavelength (photon energy) for thin films on NaCl substrates at atmospheric pressure [74N].

