

**substance: FePS**

**property: physical properties**

**energy gap**

$E_{g,th}$  0.25 eV

from  $\log \rho \propto E_g/2kT$  above 500 K; 59H  
sintered sample

far infrared absorption: for spectrum in the range 60...550  $\text{cm}^{-1}$ , see [51L].

For structure, chemical bond and comparative tables on crystallographic and physical properties of transition metal-V-VI compounds, see documents , , , .

**References:**

- 51L     Lange, W., Schlegel, H.: Z. Metallkde. 42 (1951) 257.  
59H     Hulliger, F.: Helv. Phys. Acta 32 (1959) 615.