

substance: YD_x

property: crystal structure, physical properties

YD_{2+x} [95V]

semiconductor: x = 0.055

ρ 60 $\mu\Omega\text{cm}$ $T = 315\text{ K}$

semiconductor: x = 0.080

ρ 120 $\mu\Omega\text{cm}$ $T = 248\text{ K}$
138 $\mu\Omega\text{cm}$ $T = 275\text{ K}$

M-SC transition: not observed (cooling)

M-SC transition: $T = 315(2)\text{ K}$ (heating)

M-SC transition: $T = 248(1)\text{ K}$ (cooling)

M-SC transition: $T = 275(1)\text{ K}$ (heating)

References:

- 95V Vajda, P.: "Hydrogen in rare-earth metals, including RH_{2+x} Phases" in: Handbook on the Physics and Chemistry of Rare Earth, Vol. 20, Gschneidner, K.A., Jr., Eyring, L. (eds.), Elsevier Science, 1995, p. 207.