

substance: PdP₂

property: physical properties

energy gap

$E_{g,th}$	0.6...0.7 eV	from $\log \rho \propto E_g/2kT$, sintered sample	63H
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thermoelectric power

S	$-10 \mu V K^{-1}$	$T = 300 K$	sintered sample	63H
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magnetic susceptibility

χ_m	$-6 \cdot 10^{-6} cm^3 mol^{-1}$	$T = 295 K$	χ in CGS-emu, powdered sample	63H
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no structural transition at pressures up to 65 kbar/1400 K [68D].

Comparative tables on structural data of transition metal dipnictides:

structure, chemical bond: see document ,

crystallographical data of PdP₂-type compounds with square-planar cation coordinates, see document ,

interatomic distances for the PdP₂-type compounds, see document .

References:

63H Hulliger, F.: Nature (London) 200 (1963) 1064.

68D Donohue, P. C., Bither, T. A., Young, H. S.: Inorg. Chem. 7 (1968) 998.