

substance: PdPSe
property: physical properties

activation energy

E_A	0.15 eV	from $\log \rho \propto E_A/kT$, $T = 300...400$ K on single crystals ($E_g > 0.3$ eV ?)	71B
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resistivity

ρ	$4 \cdot 10^3 \Omega \text{ cm}$	$T = 60 \text{ K}$	from four-probe resistivity measurements on single crystals	71B
	$30 \Omega \text{ cm}$	$T = 300 \text{ K}$		
	$1 \Omega \text{ cm}$	$T = 400 \text{ K}$		

lattice parameters, density

(RT values) (space group $D_{2h}^{14} - \text{Pbcn}$)

$a [\text{\AA}]$	$b [\text{\AA}]$	$c [\text{\AA}]$	$d_x [\text{g cm}^{-3}]$	
13.569	5.824	5.856	6.21	71B, 74J

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

References:

- 71B Bither, T. A., Donohue, P. C., Young, S.: J. Solid State Chem. 3 (1971) 300.
74J Jeitschko, W.: Acta Crystallogr. B30 (1974) 2565.