

**substance: PdS**  
**property: crystal structure, physical properties**

(All references in the last column refer to all data of this document)

**lattice parameters**

$a$	6.429 Å	structure: tetragonal, B34, C <sub>4h</sub> <sup>2</sup> – P4 <sub>2</sub> /m	57G, 65H, 83H
$c$	6.608 Å		

**density**

$d$	6.6 g cm <sup>-3</sup>
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**Seebeck coefficient, energy gap**

$S$	– 250 μV K <sup>-1</sup>	n-type, poly- crystalline sample	diamagnetic
$E_{g,th}$	0.5 eV		

**References:**

- 57G     Gronvold, F., Rost, E.: Acta Crystallogr. 10 (1957) 329.  
65H     Hulliger, F.: J. Phys. Chem. Solids 26 (1965) 639.  
83H     Handbook of Chemistry and Physics, 64th ed. (ed.: R. C. Weast), CRC Press. Inc. 1983.