

**substance: OsS<sub>2</sub>**

**property: crystal structure, physical properties**

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

**lattice parameter**

$a$	5.619 Å	structure: pyrite, C2, T <sub>h</sub> <sup>6</sup> – Pa3	63H, 71L, 83H
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**density**

$d$	9.47 g cm <sup>-3</sup>	diamagnetic
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**energy gap**

$E_g$	2.0 eV	polycrystalline sample	optical gap
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**References:**

- 63H Hulliger, F.: Nature (London) 200 (1963) 1064.
- 71L Landolt-Börnstein (New Series), ed.: K. H. Hellwege, Vol. III/6, Springer Verlag: Berlin, Heidelberg, New York 1971.
- 83H Handbook of Chemistry and Physics, 64th ed. (ed.: R. C. Weast), CRC Press. Inc. 1983.