

substance: OsSbS
property: physical properties

energy gap

$E_{g,th}$	1.2 eV	from $\log \rho \propto E_g/2kT$, above 700 K	63H
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thermoelectric power

S	$+150 \mu V K^{-1}$	$T = 300 K$	sintered sample	63H
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magnetic susceptibility

χ_m	$-92 \cdot 10^{-6} cm^3 mol^{-1}$	$T = 295 K$	χ in CGS-emu; powdered sample; Gouy method, $B < 1 T$	63H
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far infrared absorption: for spectrum in the range $50...500 cm^{-1}$ see [83L].

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

References:

- 63H Hulliger, F.: Nature (London) 201 (1963) 381.
83L Lutz, M. D., Schneider, G., Kliche, G.: Phys. Chem. Minerals 9 (1983) 109.