

substance: OsAsS
property: physical properties

energy gap

E_g	1.3 eV	RT	from diffuse reflectance	63H
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thermoelectric power

S	$-1000 \mu\text{V K}^{-1}$	$T = 300 \text{ K}$	sintered sample	63H
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magnetic susceptibility

(in $10^{-6} \text{ cm}^3 \text{ mol}^{-1}$)

χ_m	-70	$T = 295 \text{ K}$	χ in CGS-emu, powdered sample;	63H
	-55	$T = 77 \text{ K}$	Gouy method, $B < 1 \text{ T}$	

far infrared absorption: for spectrum in the range $60\ldots550 \text{ cm}^{-1}$, 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.