

substance: RuSbSe
property: physical properties

energy gap

E_g	0.35 eV	$T = 0$ K	from $\log \rho \propto E_g/2kT$, $T = 400\ldots 700$ K	63H
	≈ 0.9 eV	RT	from diffuse reflectance	

thermoelectric power

S	$-200 \mu\text{V K}^{-1}$	$T = 300$ K	sintered sample	63H
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magnetic susceptibility

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

χ_m	-86	$T = 295$ K	χ in CGS-emu, powdered sample;	63H
	-78	$T = 77$ K	Gouy method, $B < 1$ T	

far infrared absorption: for spectrum in the range $50\ldots 500 \text{ cm}^{-1}$, 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.