

**substance: RuPS**  
**property: physical properties**

**energy gap**

$E_g$	$> 1.4 \text{ eV}$	RT	from diffuse reflectance	63H
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**thermoelectric power**

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

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

$\chi_m$	$- 35$	$T = 295 \text{ K}$	$\chi$ in CGS-emu, powdered sample;	63H
	$- 21$	$T = 77 \text{ K}$	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.