

substance: IrS₂
property: crystal structure, physical properties

Ir₂S₂(S₂)

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

lattice parameters

<i>a</i>	19.78 Å	structure: D _{2h} ¹⁶ -Pnam	64H, 83H
<i>b</i>	5.624 Å		
<i>c</i>	3.565 Å	diamagnetic	

density

<i>d</i>	8.43 g cm ⁻³
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Seebeck coefficient, energy gap

<i>S</i>	250 μV K ⁻¹	p-type, poly-crystalline sample	optical gap
<i>E_g</i>	0.9 eV		

References:

- 64H Hulliger, F.: Nature (London) 204 (1964) 644.
83H Handbook of Chemistry and Physics, 64th ed. (ed.: R. C. Weast), CRC Press, Inc. 1983.