

substance: RuTe₂
property: crystal structure, physical properties

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

lattice parameters

<i>a</i>	6.39 Å	<i>T</i> = 77 K	structure: pyrite, C2, T _h ⁶ – Pa3 marcasite, C18, D _{2h} ¹² – Pnnm,	63H, 71L
<i>a</i>	5.271 Å			
<i>b</i>	6.387 Å			
<i>c</i>	4.038 Å			

Seebeck coefficient, energy gap

<i>S</i>	– 200 μV K ^{–1}	n-type, poly- crystalline sample	diamagnetic
<i>E_{g,th}</i>	0.25 eV		

References:

- 63H Hulliger, F.: Nature (London) 200 (1963) 1064.
71L Landolt-Börnstein (New Series), ed.: K. H. Hellwege, Vol. III/6, Springer Verlag: Berlin, Heidelberg, New York 1971.