

substance: ReTe₂

property: crystal structure, physical properties

(S: structure (space group), CG: crystal growth (the numbers in parentheses correspond to T_1 and T_2 , the temperatures (in °C) of the hot and cold end of the crystal growth tube, respectively)).

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

lattice parameters

a	12.987 Å	S: orthorhombic, $D_{2h}^{15} - Pcab$	65J,
b	13.055 Å	CG: halogen transport (980/840)	66F,
c	14.271 Å		71W

density

d	8.50 g cm ⁻³	experimental
	9.712 g cm ⁻³	calculated

resistivity, Seebeck coefficient

ρ	$> 10^2 \Omega \text{ cm}$	polycrystal,
S	490 $\mu\text{V K}^{-1}$	p-type

References:

- 65J Johnston, W. D., Miller, R. C., Damon, D. H.: J. Less-Common Met. 8 (1965) 272.
66F Furuset, S., Kjekshus, A.: Acta Chem. Scand. 20 (1966) 245.
71W Wildervanck, J. C., Jellinek, F.: J. Less-Common Met 24 (1971) 73.