

substance: OsTe₂

property: crystal structure, physical properties

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

lattice parameters

a	6.397 Å	$T = 77$ K	structure: pyrite, C2, $T_h^6 - Pa3$	63H, 71L
a	5.2804 Å		marcasite, C18, $D_{2h}^{12} - Pnnm$,	
b	6.4018 Å			
c	4.0481 Å			

Seebeck coefficient, energy gap

S	$-100 \mu V K^{-1}$	n-type, poly-crystalline sample	diamagnetic
$E_{g,th}$	> 0.2 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.