

substance: MnTe₂
property: crystal structure, physical properties

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

lattice parameters, resistivity, Seebeck coefficient, Hall coefficient

<i>a</i>	6.943 Å	structure: pyrite, C2, T _h ⁶ – Pa3, antiferromagnetic, <i>T_N</i> = 87.2 K, <i>p</i> _{eff} = 5.84 μ _B , Θ _p = – 472 K	65J, 68L, 71L, 74A, 77O
<i>ρ</i>	0.1 Ω cm	p-type, poly- crystalline sample	
<i>S</i>	300 μV K ^{–1}		
<i>R_H</i>	40 cm ³ /C		

Figures to this document:

electrical conductivity: Fig. 1

Seebeck coefficient: Fig. 2

References:

- 65J Johnston, W. D., Miller, R. C., Damon, D. H.: J. Less-Common Met. 8 (1965) 272.
- 68L Lin, M. S., Hacker Jr., H.: Solid State Commun. 6 (1968) 687.
- 71L Landolt-Börnstein (New Series), ed.: K. H. Hellwege, Vol. III/6, Springer Verlag: Berlin, Heidelberg, New York 1971.
- 74A Avdeev, B. V., Krashenin, Yu. P.: Sov. Phys. Solid State 15 (1974) 2028.
- 77O Okada, O., Miyadai, T.: J. Phys. Soc. Jpn. 43 (1977) L343.

Fig. 1.

MnTe₂. Electrical conductivity vs. temperature of a pure sample [74A].

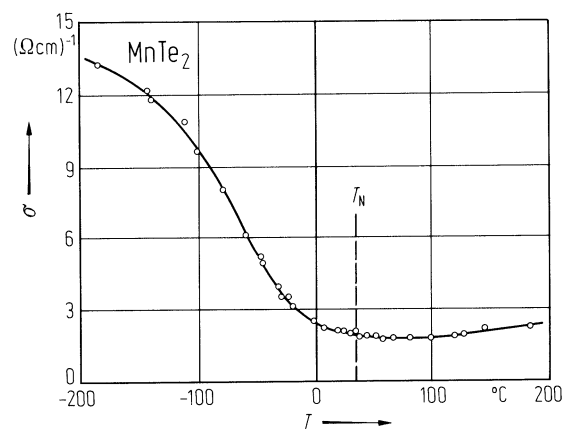


Fig. 2.

MnTe₂. Thermoelectric power vs. temperature for a pure sample [74A].

