

**substance: LaTe<sub>2</sub>**

**property: crystal structure, physical properties**

**crystal structure** tetragonal (Fe<sub>2</sub>As-structure, D<sub>4h</sub><sup>7</sup> – P4/nmm)

**lattice parameters**

<i>a</i>	4.53 Å	color: black	65R
<i>c</i>	9.12 Å		

**melting point**

<i>T<sub>m</sub></i>	1450°C	65R
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**density**

<i>d</i>	6.82 g cm <sup>-3</sup>	64E
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**electrical conductivity** : Fig. 1

**References:**

- 64E Eliseev, A. A., Kuznecov, V. G., Jarembas, E. I.: Zh. Strukt. Khim. 5 (1964) 641.  
65R Ramsey, T. H., Steinfink, H., Weiss, E. J.: J. Appl. Phys. 36 (1965) 548.

**Fig. 1.**

LaTe<sub>2.0</sub>, LaTe<sub>1.90</sub>. Conductivity vs. reciprocal temperature for n-type LaTe<sub>2.0</sub> and n- and p-type LaTe<sub>1.90</sub> polycrystalline samples [65R].

