

**substance:** Eu<sub>3</sub>Te<sub>4</sub>

**property:** crystal structure, physical properties

**crystal structure** tetragonal

**lattice parameter**

|         |        |  |  |     |
|---------|--------|--|--|-----|
| $a = b$ | 12.5 Å |  |  | 73B |
| $c$     | 6.4 Å  |  |  |     |

**electrical conductivity**

|          |                                      |        |                   |     |
|----------|--------------------------------------|--------|-------------------|-----|
| $\sigma$ | 0.3 Ω <sup>-1</sup> cm <sup>-1</sup> | p-type | ( $E_A = 1.1$ eV) | 73B |
|----------|--------------------------------------|--------|-------------------|-----|

**Seebeck coefficient**

|     |                        |  |  |     |
|-----|------------------------|--|--|-----|
| $S$ | 240 μV K <sup>-1</sup> |  |  | 73B |
|-----|------------------------|--|--|-----|

**References:**

- 73B Butusov, O. B., Chechernikov, V. I., Pechennikov, A. V., Yarembash, E. I., Sadsovskaya, O. A., Tyurin, E. G.: *Izv. Akad. Nauk. Neorg. Mater.* 9 (1973) 1339.