

Te-W (Tellurium-Tungsten)

Phase diagram

Knop et al. [56Kno1] mentioned only one intermediate phase in this system. A provisional phase diagram has been reported by Nagender Naidu et al. [92Nag1], which has been taken as a basis to draw Fig. 1.

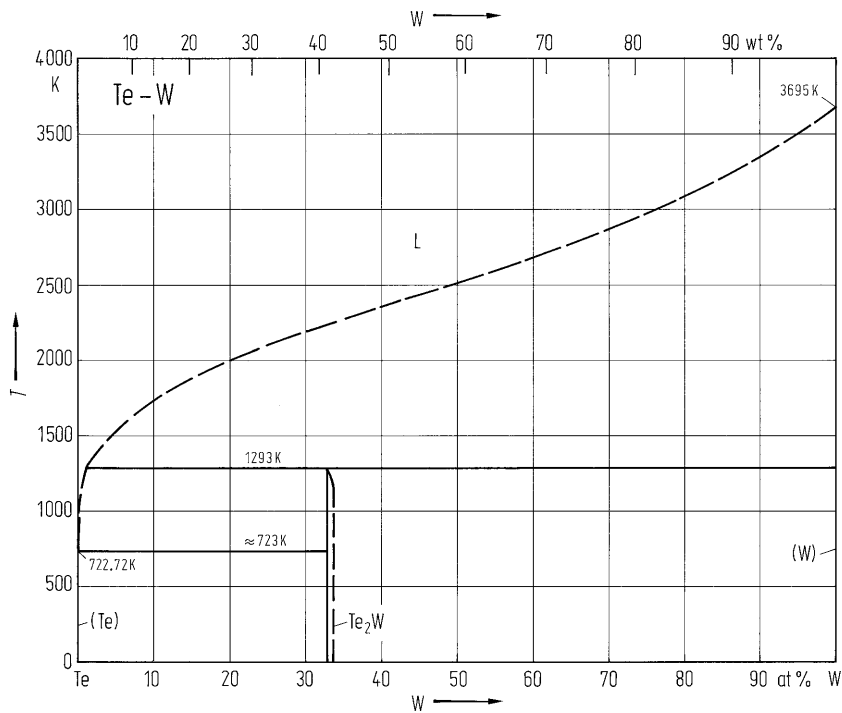


Fig. 1. Te-W. Phase diagram.

Crystal structure

Crystallographic data of tungsten ditelluride are given in Table 1.

Table 1. Te-W. Lattice parameters of orthorhombic Te₂W (CdI₂-type) [92Nag1].

<i>a</i> [nm]	<i>b</i> [nm]	<i>c</i> [nm]	Ref.
0.3490	0.6277	1.407	56Kno1
1.4028	0.3495	0.6270	62Bri1
0.6282	0.3496	1.4073	66Bro2

References

- 56Kno1 Knop, O., Haraldsen, H.: Can. J. Chem. **34** (1956) 1142
62Bri1 Brixner, L.H.: J. Inorg. Nucl. Chem. **24** (1962) 257
66Bro2 Brown, B.E.: Acta Crystallogr. **20** (1966) 268
92Nag1 Nagender Naidu, S.V., Rama Rao, P.: Binary Alloy Phase Diagrams Updating Service, Supplement (1992)