

## Ag – Te (Silver – Tellurium)

### Phase diagram

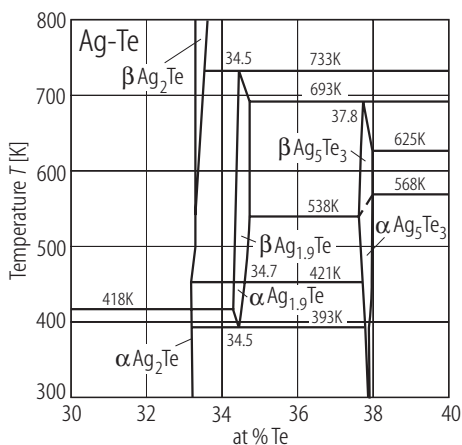
Karakaya et al. [91 Kar] have assessed the phase diagram at standard atmospheric pressure. Only the central part at 30 to 40 at% Te and temperatures between about 370 K and 770 K should be reproduced here in an enlarged version (see Fig. 1).

From results obtained calorimetrically ([71 Cas], [74 Cas], [79 Cas]), and by vapor pressure measurements [75 Pre], Karakaya et al. [91 Kar] have constructed a phase diagram (see Fig. 2), which they have preferred with respect to Fig. 5 in [Landolt-Börnstein].

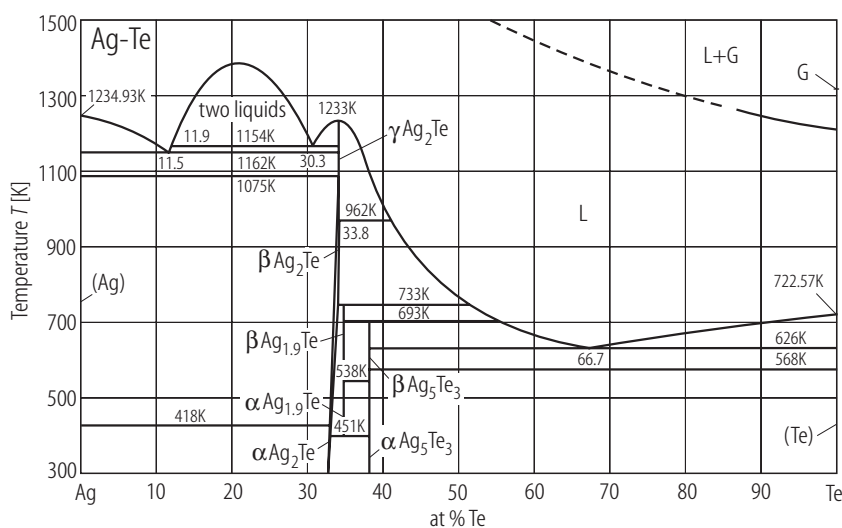
### Thermodynamics

The  $\Delta H^L$ -concentration curve given by [91 Kar] is shown in Fig. 3.

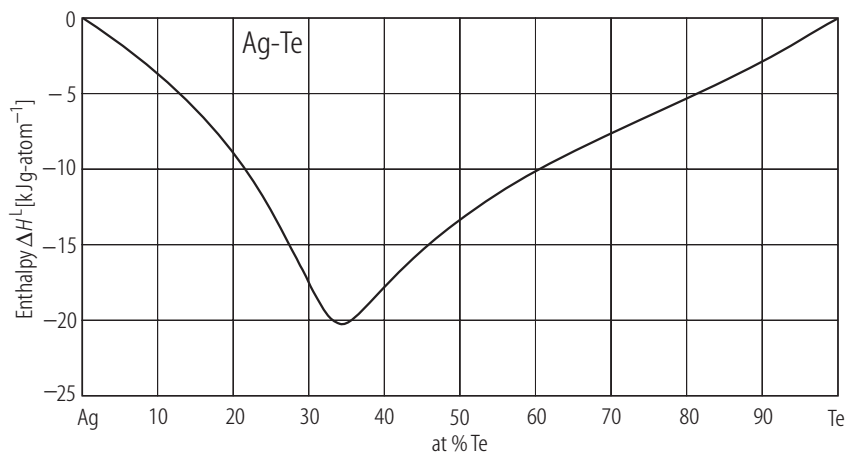
### Figures



**Fig. 1. Ag-Te.** Central part of the phase diagram [91 Kar].



**Fig. 2. Ag-Te.** Calculated phase diagram [91 Kar].



**Fig. 3. Ag-Te.** Enthalpies of mixing of liquid alloys [91 Kar].

#### References

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- [91 Kar] Karakaya, I., Thompson, W.T.: J. Phase Equilibria **12** (1991) 56
- [Landolt-Börnstein] New Series, Group IV, Vol. 5, Subvolume a to j, Predel, B., Madelung, O. (ed.), Springer-Verlag (1991) to (1998)