

Ag – V (Silver – Vanadium)

Phase diagram

There are some experimental indications for immiscibility of the components in each other in the liquid as well as in the solid state ([15 Gie], [54 Ros], [79 Mak]). Smith [89 Smi], by thermodynamic calculations, has established phase equilibria for different conditions. The resulting phase diagram for pressures sufficiently high to maintain all phases in condensed form is shown in Fig. 1. The calculated Ag-V diagram for a constant system pressure of 1.013 bar (= 1 atm; $1.013 \cdot 10^5$ Pa) is given in Fig. 2.

Figures

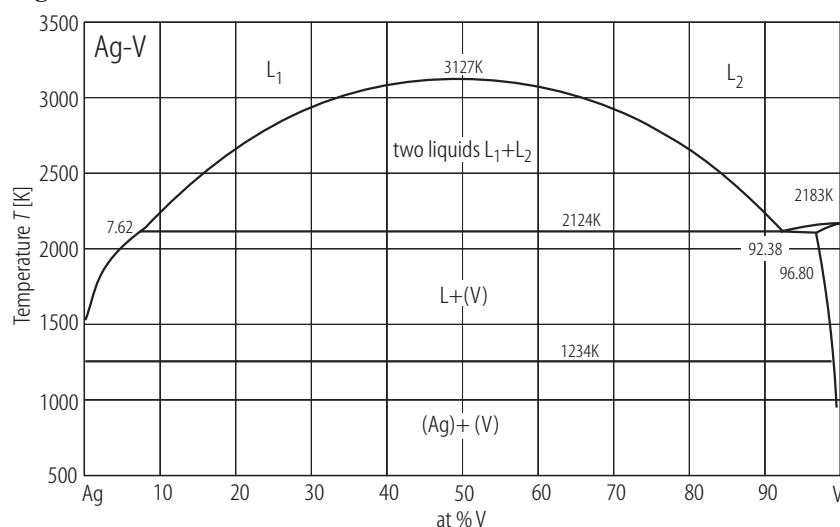


Fig. 1. Ag-V. Phase diagram at pressures sufficiently high to maintain all phases in condensed form [89 Smi].

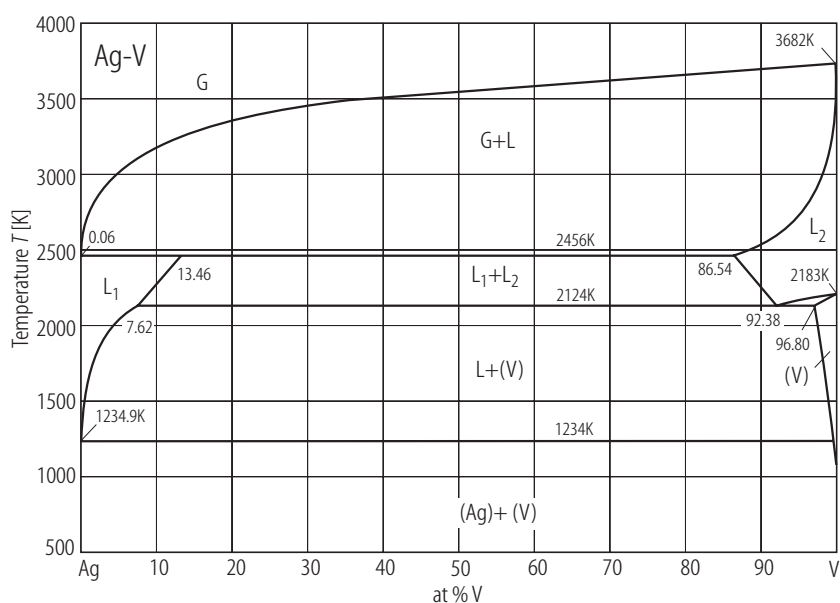


Fig. 2. Ag-V. Phase diagram for constant system pressure of $1.013 \cdot 10^5$ Pa [89 Smi].

References

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