

Ag – As (Silver – Arsenic)

Phase diagram

Baren in [Massalski] has reviewed this system. To his opinion the miscibility gap at about 60 at% As does not exist, as believed by [Landolt-Börnstein]. He pointed out that the liquidus at As-rich concentrations is obviously valid for high pressures. At the melting point of As, $T_m = 1050$ K, the vapor pressure amounts to 3.6 MPa.

Baren supported the shape of the liquidus, which is confirmed by Heike et al. [15 Hei] and by Eade et al. [59 Ead]. This form now is taken as the newest realistic one (see Fig. 1).

Figure

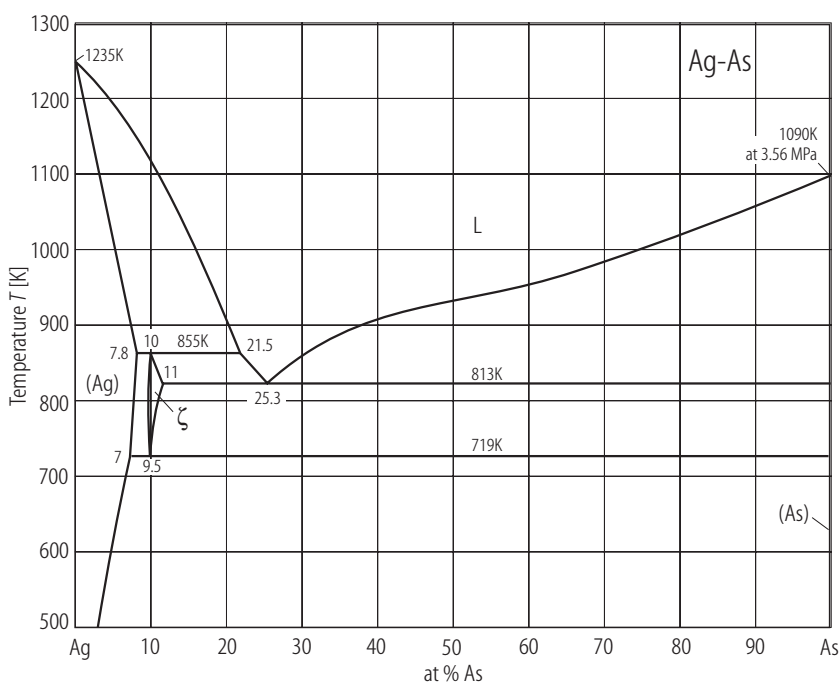


Fig. 1. Ag-As. Phase diagram assessed by Baren [92 Bar], [90 Bar].

References

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