

Ag – Ar (Silver – Argon)

Phase diagram

Gulyaev et al. [68 Gul] on the basis of some systematic considerations have constructed a schematic phase diagram. If the liquid Ag is solving 10^{-5} at% Ar, the melting point depression is of the order of 10^{-5} K. The real solubility of Ar in liquid Ag is not known, however. The maximum solubility of Ar in solid (Ag) is about 10^{-7} at% Ar. A short discussion of this system is given by Okamoto in [Massalski]

References

- [68 Gul] Gulyaev, B.B, Dvorshkaya, G.F. in: “Phase Diagrams of Metallic Systems”, Savitskii, E.M. (ed.), Nauka Publ., Moscow (1968).
- [Massalski] Massalski, T.B. (Editor-in-Chief): “Binary Alloy Phase Diagrams”, Second Edition, The Materials Information Society, ASM International, Materials Park, Ohio (1992)