

## Ag – Ne (Silver – Neon)

### Phase diagram

On the basis of considerations concerning the localization of the components of binary alloys in the periodic table of elements Gulyaev et al. [68 Gul] have postulated the depression of the melting point of silver by Ne. It amounts to about  $10^{-5}$  K, supposing the concentration in the liquid alloy is about  $10^{-5}$  at% Ne.

In solid (Ag) up to  $10^{-7}$  at% Ne are soluble, whereas the maximum solubility of Ne in liquid Ag is not known.

For a short discussion see Okamoto [Massalski].

### References

- [68 Gul] Gulyaev, B.B., Dvorshkaya, G.F., in: "Phase Diagrams of Metallic Systems", Savitskii, E.M. (ed.), Nauka Publ., Moscow (1968) 267
- [Massalski] Massalski, T.B., (ed.): "Binary Alloy Phase Diagrams" Second Edition, The Materials Information Society, ASM International, Materials Park, Ohio (1992)