

## Ag – Po (Silver – Polonium)

### Phase diagram

Experimentally determined phase equilibria are not known.

On the basis of systematic consideration Gulyaev and Dvorshkaya [68 Gul] have estimated a phase diagram with an eutectic at 0.5 at% Po and at a temperature of about 0.01 K below the melting point of Ag. At this temperature about  $10^{-3}$  at% Po are soluble in solid (Ag) (see [Massalski]).

Goode [52 Goo] has found the intermediate phase AgPo (?). Its structure is orthorhombic or monocline.

### References

- [52 Goo] Goode, J.M.: USAEC, MLM-677 (1952), quoted by [Shunk]
- [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. (Editor-in-Chief): "Binary Alloy Phase Diagrams", Second Edition, The Materials Information Society, ASM International, Materials Park, Ohio (1992)