

As – Bk (Arsenic – Berkelium)

Phase diagram

The phase diagram is not known [Massalski].

Crystal structure

One intermediate phase has been found by Damien et al. [80 Dam]: AsBk. Its structure is cubic (NaCl - type). The lattice constant amounts to

$$a = 0.5826 \text{ nm.}$$

References

- [80 Dam] Damien, D., Haire, R.G., Peterson, J.R.: J. Inorg. Nucl. Chem. **42** (1980) 995
[Massalski] Massalski, T.B., (ed.): "Binary Alloy Phase Diagrams", Second Edition, The Materials Information Society, ASM International, Materials Park, Ohio (1992)