

As – P (Arsenic – Phosphorus)

Phase diagram

A short review of the As-P system is given by Karakaya et al. [91 Kar]. There is no significant difference of the results discussed by [91 Kar] and the data reported by [Landolt-Börnstein].

Crystal structure

The crystal structure of AsP has been investigated by Krebs et al. [57 Kre]. It is orthorhombic with lattice constants:

$$\begin{aligned}a &= 0.353 \text{ nm} \\b &= 1.071 \text{ nm} \\ \text{and } c &= 0.445 \text{ nm}.\end{aligned}$$

References

- [57 Kre] Krebs, H., Holz, W., Worms, K.H: Chem. Berichte **90** (1957) 1031
- [91 Kar] Karakaya, I., Thompson, W.T.: J. Phase Equilibria **12** (1991) 343
- [Landolt-Börnstein] New Series, Group IV, Vol. 5, Subvolume a to j, Predel, B., Madelung, O. (ed.), Springer-Verlag (1991) to (1998)