

Al – Ir (Aluminum – Iridium)

Phase diagram

By experiments using metallographic and X-ray diffraction methods Hill et al. [98 Hil] have corrected the phase diagram given by [Massalski]. The phase equilibria now known as reported and discussed by [00 Oka] are given in Fig. 1.

Metastable phases

By rapid solidification of liquid alloys at the stoichiometry Al_5Ir , Wang et al. [90 Wan] have prepared decagonal quasicrystals.

References

- [90 Wan] Wang, R., Ma, L., Kuo, K.H., :J. Less-Common Met. **163** (1990) 27
- [98 Hil] Hill, P.J., Cornish, L.A., Witcomb, M.J.: J.Alloys and Comp. **280** (1998) 240
- [00 Oka] Okamoto, H.: J. Phase Equilibria **21** (2000) 409
- [Massalski] Massalski, T.B., (ed.): "Binary Alloy Phase Diagrams", Second Edition, The Materials Information Society, ASM International, Materials Park, Ohio (1992)