

Ac – B (Actinium – Boron)

Phase diagram

The phase diagram in Fig. 1 has been constructed by [78 Spe]. It is not studied in details for the strong radioactivity of Ac. It is assumed to be similar to that of La-B.

Figure

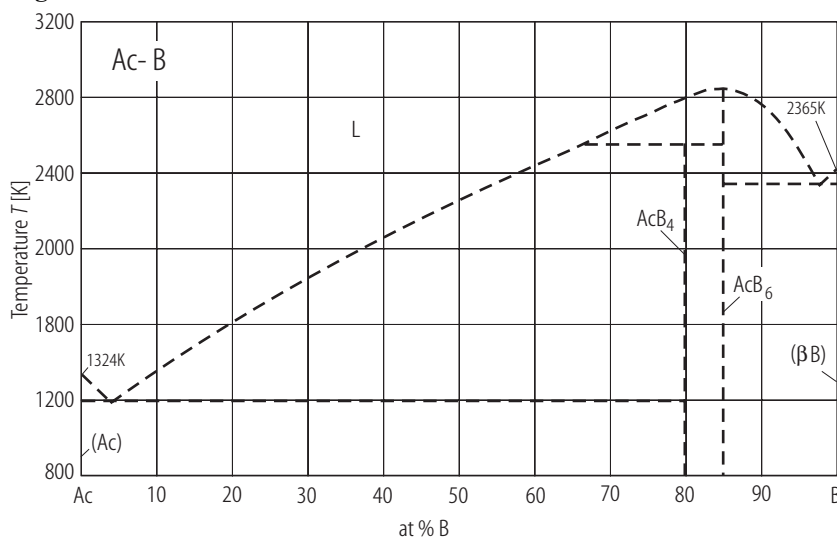


Fig. 1. Ac-B. Calculated phase diagram of Ac-B [78 Spe], [Massalski].

References

- [78 Spe] Spear, K.E.: "Correlations and Predictions of Metal-Boron Phase Equilibria", Application of Phase Diagrams in Metallurgy and Ceramics, Vol. 2, NBS Spec. Pub. 496, Natl. Bur. of Standards, Gaithersburg, MD 20899 (1978); and "Phase Behaviour and related Properties of Rare-Earth Borides", Refractory Materials, Vol. 6 – IV, A.M. Alper, (ed.), Academic Press, New York (1976)
- [Massalski] Massalski, T.B. (Editor-in-Chief): "Binary Alloy Phase Diagrams", second edition, The Materials Information Society, ASM International, Materials Park, Ohio (1992)