

As – Gd (Arsenic – Gadolinium)

Phase diagram

Only one intermediate compound is existing in this system: AsGd [86 Gsc]. Its melting point is > 2773 K. This is analogous to the behaviour of the phase diagram of some other As-Rare Earth systems like As-Dy. On the basis of similarity, [Moffatt] constructed a hypothetical As-Gd phase diagram which is redrawn in Fig. 1.

Figure

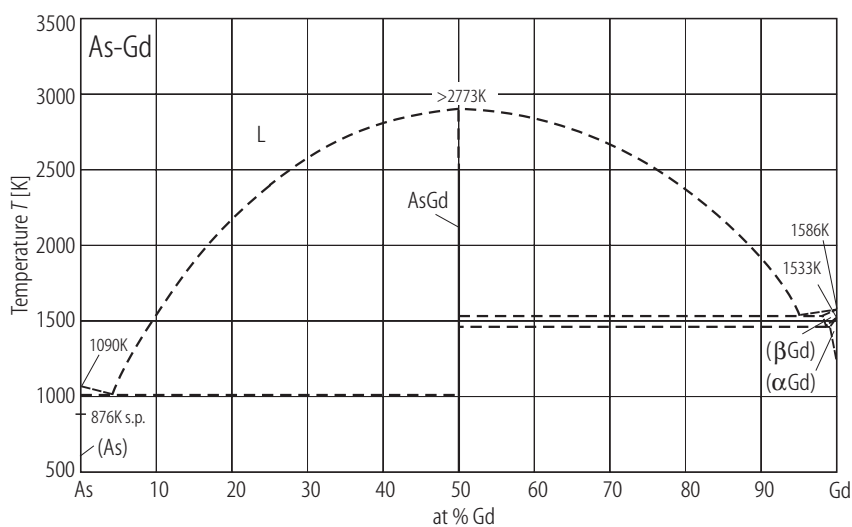


Fig. 1. As–Gd. Phase diagram taken from [Moffatt].

References

- [86 Gsc] Gschneidner, K.A., Jr., Calderwood, F.W.: Bull. Alloy Phase Diagrams **7** (1986) 274
[Moffatt] Moffatt, W.G., (ed.): “Handbook of Binary Phase Diagrams”, Business Growth Services, General Electric Co., Schenectady, New York (1976)