

Ba-Nd (Barium-Neodymium)

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The Ba-Nd phase diagram in [Massalski2] was assessed by [1988Gsc] based on limited experimental data and assumed similarity to other Ba-rare earth systems.

Figure 1 shows the Ba-Nd phase diagram obtained by thermodynamic assessment by [2003Lys]. The width of the immiscibility gap between the liquid phases was estimated to be much broader in [Massalski2] in comparison with [2003Lys].

References

- 1988Gsc:** K.A. Gschneidner, Jr. and F.W. Calderwood, The Ba-Nd (Barium-Neodymium) System, *Bull. Alloy Phase Diagrams*, 1988, 9(3), p 220-221
- 2003Lys:** V.A. Lysenko, Thermodynamic Calculations of Phase Equilibria in the Barium-Copper-Neodymium System, *Zh. Fiz. Khim.*, 2003, 77(9), p 1556-1560

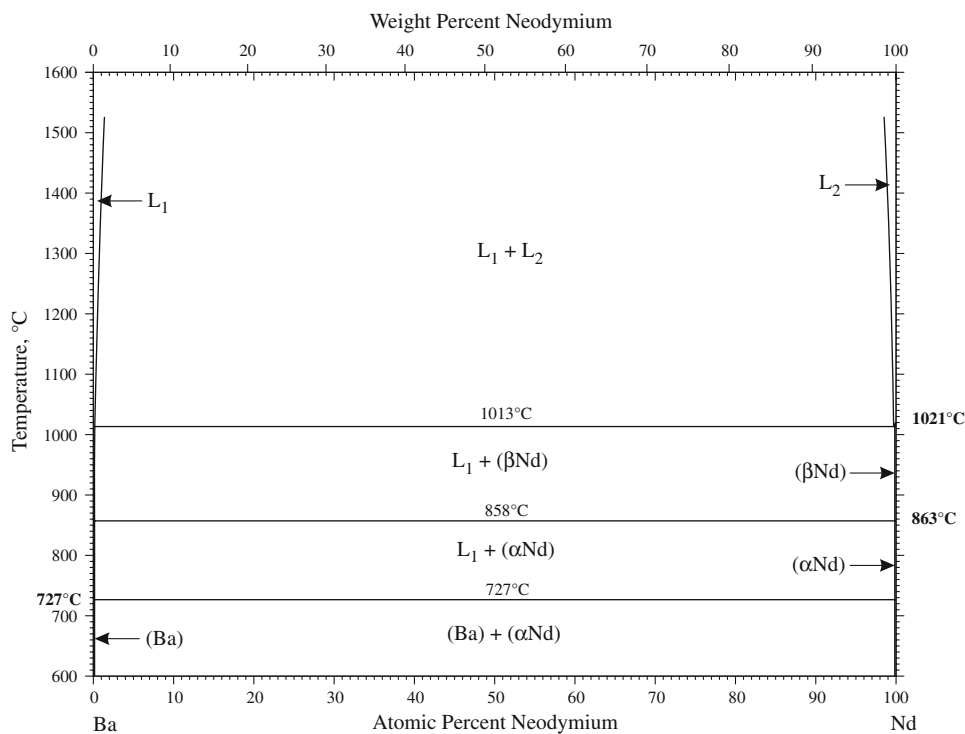


Fig. 1 Ba-Nd phase diagram