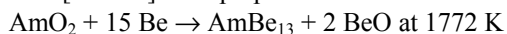


## Ar – Be (Argon – Beryllium)

### Phase diagram

Benedict et al. [75 Ben] have prepared the intermediate compound  $\text{AmBe}_{13}$  due to the reaction



### Crystal structure

The crystal structure of  $\text{AmBe}_{13}$  is cubic ( $\text{NaZn}_{13}$ )-type with lattice constant

$$a = 1.0287 \text{ nm}$$

(see [Moffatt]).

### References

[75 Ben] Benedict, U., Buijs, K., Dufour, C., Toussaint, J.C.: J. Less-Common Met. **42** (1975) 345

[Moffatt] Moffatt, W.G., (ed.): "Handbook of Binary Phase Diagrams", Business Growth Services, General Electric Co., Schenectady, New York (1976)