

Ag – Zr (Silver – Zirconium)

Thermodynamics

Using high-temperature direct synthesis calorimetry, Fitzner et al. [92 Fit] have determined enthalpies of mixing of liquid alloys. The results obtained are plotted in Fig. 1.

The same authors have calculated ΔH^S of intermediate phases. The results are given in Table 1.

Table 1. Ag-Zr. Enthalpies of formation of solid AgZr-alloys [92 Fit].

Phase	ΔH^S [kJ g-atom ⁻¹]
AgZr	- 3.12 ± 3.12
AgZr ₂	- 1.47 ± 2.89

Figure

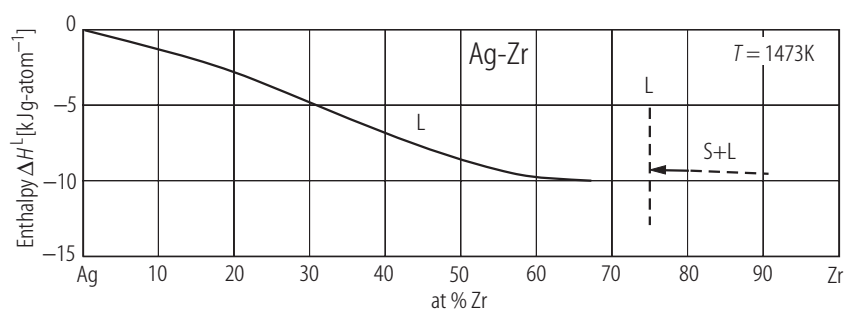


Fig. 1. Ag-Zr. Experimentally determined enthalpies of mixing of liquid alloys [92 Fit].

Reference

[92 Fit] Fitzner, K., Kleppa, O.J.: Metallurg. Trans. A **23A** (1992) 997