

Au – Ti (Gold – Titanium)

Thermodynamics

By high-temperature direct synthesis calorimetry Fitzner et al. [92 Fit] have determined the enthalpy of formation of intermediate phases. The results are given in Table 1.

Table 1. Au–Ti. Enthalpies of formation of intermediate phases determined by [92 Fit].

Phase	ΔH^S [kJ g-atom ⁻¹]
Au ₂ Ti	- 45.93 ± 2.03
AuTi	- 44.20 ± 1.49
AuTi ₃	- 31.39 ± 0.50

Reference

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