

Enthalpy of formation of Mn-Sc (manganese-scandium) system

Thermodynamics

With high-temperature calorimetry at 1123 K Pisch et al. [01Pis] have determined the standard enthalpy of formation of Mn_2Sc with $\Delta H_{298}^{\text{S}} = -15.7 \pm 2.5 \text{ kJ g-atom}^{-1}$. Due to thermodynamic assessment of this system performed by [98Pis] there has been obtained $\Delta H_{298}^{\text{S}} = -15.5 \text{ kJ g-atom}^{-1}$ for Mn_2Sc .

Symbols and abbreviations

Short form	Full form
ΔH^{S}	integral enthalpy of formation of a solid alloy

References

- [98Pis] Pisch, A., Schmid-Fetzer, R.: Z. Metallkde. **89** (1998) 700
[01Pis] Pisch, A., Hodaj, F., Chaudouët, P., Colinet, C.: J. Alloys Comp. **319** (2001) 210