

# Enthalpy of formation of Mo-Si (molybdenum-silicon) system

## Thermodynamics

On the basis of results from high-temperature direct synthesis calorimetry at  $1473 \pm 2$  K Meschel et al. [98Mes] have calculated standard enthalpies of formation of intermediate phases. The results are given in Table 1.

**Table 1** Mo-Si. Standard enthalpies of formation of intermediate phases [98Mes]

Phase	$\Delta H_{298}^S$ [kJ g-at <sup>-1</sup> ]
Mo <sub>5</sub> Si <sub>3</sub>	$-38.2 \pm 1.6$
MoSi <sub>2</sub>	$-47.9 \pm 2.1$

## Symbols and abbreviations

Short form	Full form
$\Delta H^S$	integral enthalpy of formation of a solid alloy

## References

[98Mes] Meschel, S.V., Kleppa, O.J.: J. Alloys Comp. **274** (1998) 193