

thermodynamic functions, thermochemistry

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**Thermodynamic Properties of Liquid, Undercooled Liquid and Amorphous Al-Cu-Zr and Al-Cu-Ni-Zr Alloys.**

— The heat capacity of undercooled liquid, amorphous, and crystalline  $\text{Al}_{7.4}\text{Cu}_{27.5}\text{Zr}_{65}$ , the crystallization enthalpy of the amorphous state, and the enthalpy of melting are determined experimentally. The association model is applied to calculate the thermodynamic functions of liquid and undercooled liquid Al-Cu-Zr, Cu-Ni-Zr, and Al-Cu-Ni-Zr alloys. — (ZHOU, S. H.; SCHMID, J.; SOMMER, F.; *Thermochim. Acta* 339 (1999) 1-2, 1-9; Inst. Metallkd., MPI Metallforsch., Univ. Stuttgart, D-70174 Stuttgart, Germany; EN)