

Thermodynamics of chemical and electrochemical stability of the Mo–Si system alloys

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Abstract

A phase diagram of Mo–Si–O system and a potential – pH diagram of Mo–Si–H₂O at 25 °C, pressure of 1 бар and activities of ions in solution equal to 1^{mole}/_l are plotted. The corrosion-electrochemical behaviour of Mo–Si system alloys is considered from the thermodynamic point of view.