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Correlation of structure and strength characteristics of rapidly quenched iron-based alloys

V.V. Tkachev, A.N. Fedorets, D.A. Polyanski, E.A. Gridasova, A.M. Frolov, G.S. Kraynova, S.V. Dolzhikov, V.S. Plotnikov Far Eastern Federal University, Vladivostok, Russia



features of phase and structural heterogeneity, as well as the chemical composition of the samples. The microhardness of the samples increases significantly when they are heated to the crystallization temperature. The investigations by the microindentation and scanning electron microscopy methods allowed us to recommend optimal conditions for obtaining amorphous rapidly quenched ribbons with high mechanical properties.