Skyba Anton

The master's dissertation "Technological parameters of the formation of bimetallic material" steel-aluminum "by casting" consists of 112 pages, 29 figures, 14 tables, and contains 42 sources in the list of references.

Object of research: technological parameters of obtaining bimetallic material "steel-aluminum".

The subject of research – the temperature of pouring aluminum on a steel billet, types of protective coatings.

Research methods: mechanical testing

A study of the influence of technological parameters on the quality of bimetallic material "steel-aluminum" by the methods of foundry production. The mechanical properties of the obtained connection between steel and aluminum have been studied. The influence of protective coatings applied to the steel billet and the temperature of pouring aluminum mold on the quality of bimetallic material "steel-aluminum".

BIMETALLIC MATERIAL "STEEL-ALUMINUM", CRITERION FOR ASSESSING THE QUALITY OF BIMETALLIC JOINTS, ALUMINUM INTERMETALLICS