

ABSTRACT

In this paper we briefly discuss methods of producing large ingots by conventional metallurgy and electrometallurgy. It is proposed to improve the quality of a large ingot, used layered metal deposition. This allows you to get rid of chemical heterogeneity and the shrinkage cavity.

was obtained experimental samples dimensions 200 * 200 * 150 mm. Analysis of samples showed that they are characterized by fine grain structure throughout the cross section. The grain size corresponds to 9 points. The samples were tested at break and toughness.

The work aims to further study the method layered surfacing large ingot.