

The invention relates to the materials used in the capacity of electrodes for electroslag welding of large-section structures of high-strength chromium nickel molybdenum steels.

The composition for electrodes contains carbon, manganese, nickel, molybdenum, vanadium, cerium and iron. Novelty consists in that the composition additionally contains wolfram, titanium and aluminum, in the following component ratio, mass %:

carbon	0,01...0,04
manganese	3,5...15,0
nickel	4,0...12,0
molybdenum	1,0...4,0
vanadium	0,01...1,2
cerium	0,001...1,5
wolfram	0,01...2,5
titanium	0,05...1,0
aluminum	0,05...1,5
iron	the rest.

The alloying system with the proposed compositions permitted obtaining of welds with ferritic structure, possessing serviceability at low temperatures, resistance to the formation of pores and shrinkage cracks.

Claims: 1