

The invention relates to welding, in particular to the powdery compositions for hard-facing, which can be used for wear-resistant hard-facing of the parts, working in abrasive wear conditions.

The powdery composition for hard-facing contains carbon, silicon, magnesium, chrome, aluminum, copper, rare-earth metals and iron. Novelty consists in that the composition additionally contains manganese and nickel, having the following component ratio, mass %:

carbon	12,0...20,0
silicon	10,0...15,0
magnesium	0,6...2,0
chrome	13...20
aluminum	4,0...8,0
copper	2,0...5,0
rare-earth metals	1,0...1,5
manganese	4,0...6,0
nickel	3,5...6,5
iron	the rest.

The additional introduction into the composition of manganese and nickel allows to obtain a microstructure of the hard-faced metal without pores and cracks.

Claims: 1