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The invention relates to welding, in particular to the powdery welding on compositions, which may be used for alloying, modification of casting alloys and wear-resistant welding on of parts, functioning in conditions of abrasive wear.
The powdery welding on composition contains carbon, silicon, manganese, chrome, aluminum, copper, rare-earth metals, iron, magnesium and nickel in the following component ratio, mass %:.

carbon	12,00…20,0
silicon	10,00…15,00
manganese	0,60…2,00
chrome	13,00…20,00
aluminum	4,00…8,00
rare-earth metals	1,00…1,50
copper	2,00…5,00
magnesium	4,00…6,00
nickel	3,50…6,50
iron	the rest.

The result of the invention consists in increasing the plasticity and wear resistance of parts by obtaining the microstructure of the deposited metal without pores and cracks.

Claims: 1