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SHS ferroaluminum obtained from the disperse waste of engineering

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Abstract

© 2016 Trans Tech Publications, Switzerland. This article provides a method of disposing of a particulate waste that allows treatment to produce ferroaluminum. In this work the optimization of the charge composition was carried out by the planned experiment to obtain the maximum performance properties of the SHS ferroaluminum. The article presents the analysis of the conditions of formation of the ferroaluminum microstructure in the process of the self-propagating high-temperature synthesis. The SHS process is initiated in the mixture composed of the dispersed waste engineering. The factors influencing the formation of the alloy structure were brought out.

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Keywords

Disperse waste, Ferroaluminum, The SHS process