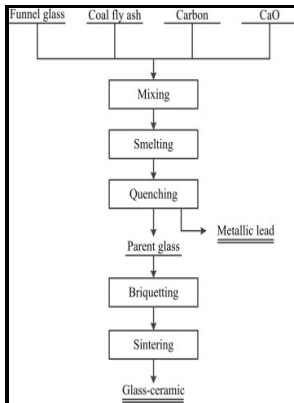


Manufacture of glass-ceramics based on discard tin slag.

University of Birmingham - Ancient tin production: Slags from the Iron Age Carvalhelhos hillfort (NW Iberian Peninsula)



Description: -

-manufacture of glass-ceramics based on discard tin slag.

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Harmless Treatment and Valuable Metals Recovery of Tungsten Leaching Residues: A Thermodynamic and Experimental Study

This basicity could lower the amount of acidic modifiers used and the relative energy consumption. Total iron content TFe was given in Fe_2O_3 form by XRF technique, with about 2% error. The calcium-containing phase had changed to CaO slag and Ca_3PO_4 at high temperatures.

BOF Slag Glass

Therefore, this paper focus on the slag glass-ceramics with different reduction heated under the different environments. The crystallization kinetics has already been evaluated in previously published studies during the process of $\text{CaO}-\text{Al}_2\text{O}_3-\text{SiO}_2-\text{CaS}$ glass-ceramics preparation from naturally cooling phosphorus slag.

Characterization and recycling potential of the discarded cathode ray tube monitors

In Western Europe, where significant tin ore cassiterite deposits are known, only a few remains of ancient tin production, such as tin slags, have been detected.

BOF Slag Glass

Therefore, the N_2 atmosphere could introduce the glass-ceramics to achieve satisfying values of mechanical property at a lower heating temperature. While for the samp-N heated at 1000°C , the BS value decreases sharply probably due to the bubbles generated inside and the corresponding volume expansion of samples.

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