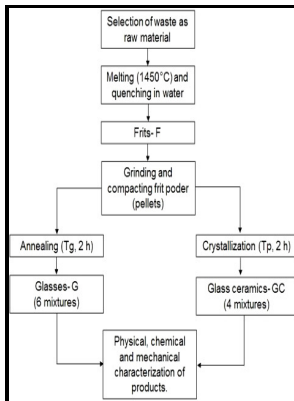


# Manufacture of glass-ceramics based on discard tin slag.

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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## BOF Slag Glass

The detailed mass balance and the overall potential market value calculations of discarded cathode tubes as an urban source, and the techno-economic calculations were carried to provide guidelines for the development of recycling technology. Due to the composition complexity of these materials and the accuracy of the test instrument, the content of all kinds of oxides tested by XRF technique has 2% error range, especially for the oxides with low content, which has been testified previously through some experiments using pure reagents.

## Review. Functional glasses and glass

For the samp-N, crystals with different shapes are obtained.

## Production of insulating glass ceramics from thin film transistor

In addition, the  $T_c$  of samples heated in N 2 samp-N is slightly higher than that of samples heated in air samp-A. Report on critical raw materials and the circular economy.

## Characterization and recycling potential of the discarded cathode ray tube monitors

The results showed that phase transformation started at 450 °C and formation of liquid slag phase occurred at 950 °C in naturally cooled yellow phosphorus slag heated to molten state. The investigations reviewed in this paper focusing on iron rich waste materials demonstrate the potential of turning these silicate based wastes into functional glass-based products.

## Structure and performance of glass

The trend of the difference value of  $T_c \Delta T_c$  in samp-N is shown in. The results show that the iron was separated from copper slag and the

residual slag was transformed into light-color glass—ceramics successfully.

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