



Porosity of Lead Agglomerate as Function of CaO and SiO₂ Proportion

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Abstract. Agglomerate porosity is correlated with strength of its pieces and it is main parameter for reductive melting process in Water-jacket furnace. Treatment is oriented toward achieving porosity and optimal strength. The paper deals with the process in te-mperture about 900⁰C and with less than 10% composition CaO in rapport with lead. In order to achieve optimal results of agglomerate porosity and quality, it is necessary during the roasting process of lead concentration to correlate the content of components in the proper manners which are CaO, SiO₂, FeO in order to facilitate the formation of slag in the reductive melting of agglomerate.

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