

Influence of liquid temperature on the sintering time of polystyrene models

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Graduate work: 61 pp., 19 rites, 20 tables, 21 references.

The object of the research is cylindrical samples of cast polystyrene models.

The subject of the study is the effect of liquid temperature on the sintering time of cast polystyrene models.

The purpose of the work: studying the technological features of sintering models in superheated steam and high-temperature coolant environments..

Research methods - processing of the results was carried out using an analytical method.

Research results - the effect of the temperature of the liquid coolant on the sintering time of the models relative to the medium of superheated steam was investigated and compared.

Degree of implementation – laboratory tests.

Scope – metallurgy, mechanical engineering, etc.

Foreseeable assumptions about the development of the research object - increasing the productivity of the production of molded polystyrene models due to the reduction of their sintering time.

GASIFIED MODELS, LOST FOAM CASTING, PENOPOLYSTROIL.