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THE EFFECT OF LITHIUM FLUORIDE COMPOUND ON SLAG DECOMPOSITION IN THE PROCESS OF CASTING ALUMINUM PREPARED DETAILS

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ABSTRACT

The article analyzes the dependence of a lithium-fluorine-containing compound on the release of slag in the manufacture of cast parts from aluminum alloys. Experimental samples were obtained by firing in a resistance furnace at 750 ° C. In the experiments, a different amount of fluorine-lithium compound was used as a flux. Aluminum grades AK7 and D16 were used in the research. The article also presents the authors' conclusions about the effect of the fluorine-lithium compound on the release of slag based on the experiments conducted.

KEYWORDS: *AK7, D16, slag, aluminum oxide, lithium fluorine, furnace, detail, sand-clay molds.*

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