

Extraction of Paraffin wax binder in Variable Condition using Supercritical Fluids

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Process of Paraffin wax extraction using Supercritical Fluids has no defects in the environment part, short time and high rate of extraction. So the Supercritical extraction can be alternative to the conventional extraction methods.

The effects of process variables such as pressure, temperature and flow rate of supercritical carbon dioxide on the binder extraction rate in the ceramic injection molding have been investigated. In comparison with former research, the process conditions have been changed in each four steps. While the four step going on, each variable and its effect have increased gradually than extraction process of fixed variable such as pressure, temperature and flow rate of supercritical carbon dioxide.