

Investigation of the processes of mixing nitrate cellulose compounds - filling in the medium of ethyl acetate

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Abstract

Recently the process of mixing of filler in nitrocellulose matrix has been studied. This process guarantees an even components distribution in the polymeric volume depending on the mixing period, specific surface and mixing intensity. The extreme dependence of the stirring period on the filler content has been obtained. The optimal conditions of mixing the filled nitrocellulose masses on ethyl-acetate are determined.