

Influence of additives on the burning rate of nitrate high-energy compositions under atmospheric pressure

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Abstract

In the paper, the results of researches on the influence of additives of various classes of substances on the burning rate of two types of nitrate high-energy compositions are presented at the atmospheric pressure. It is shown that the most effective additives increasing the rate of burning of the considered compositions, are dicarbollyl complexes of metals and ortho carborane which allow 20 times increase of burning rate.