The influence of reprocessing on detonability of pressed TATB-based explosives

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The paper studies how the reprocessing of pressed samples of explosive based on triaminotrinitrobenzene (TATB) influences their gasdynamic characteristics that determine detonability of test explosive. During the experiment, such characteristics as detonation velocity, shock-wave sensitivity, and critical thickness of high-explosive (HE) detonation were found.

Experimental data on pressed explosive samples was compared to that obtained for the samples repressed after test HE reprocessing. This comparative study reveals that reprocessing decreases detonability of the repressed TATB-based explosive.