EFFECT OF PROPERTIES OF HMX PARTICLES ON COMBUSTION-TO-EXPLOSION TRANSITION IN SEMICONFINED VOLUME

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Abstract: The process from combustion to explosion or detonation transition in powder explosives always attracts attention of researchers. This paper presents the results of experimental studies of the abovementioned process in HMX at its ignition in tubes open at one end depending on its particle properties — size, shape, and covering with different materials.

Keywords: HMX powder; transition of combustion to explosion; semiconfined volume

References


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