

COMBUSTION OF THE HYDROREACTING SYSTEM ON THE BASE OF A METAL MATRIX SATURATED WITH WATER

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Abstract: The new idea of organizing the stable combustion of hydroreacting system based on a metal matrix saturated with water is examined experimentally. Such a system can be a perspective hydroreacting propellant because of many advantages over the known combustibles. These advantages include the solidity, high density and mechanical strength, the maximum concentration of metal in the system, functioning ability in the wide temperature range, etc.

Keywords: combustion of metals; magnesium; permeable matrix; foam metal

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