

Nature and calculation of erosive burning rate of solid propellant

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The paper presents some mechanisms of positive and negative erosion effects arising from the blowout of solid rocket fuel in the combustion chambers. The authors analyze their physical mechanisms. Simple formulas are proposed for the approximate calculation of the burning rate as well as the most important parameters of the erosive effects.

Keywords: *negative erosive effect, positive erosive effect, burning rate, erosion coefficient.*

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