

Abstract Submitted
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CREST for PBX9502 CAROLINE HANDLEY, AWE — CREST is a new reactive-burn model for explosives that is able to reproduce a range of shock initiation behaviour in conventional plastic bonded explosives. This is accomplished by using entropy rather than pressure-dependent reaction rates. In this paper, a CREST model for the insensitive high explosive PBX9502 is presented. The model is tested against a wide range of one-dimensional experimental data.

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