

DDT TESTING AND NEW EXPLOSIVES

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ABSTRACT

A number of secondary explosives has been compared with regards to their detonation velocity and detonation pressure in a method involving a small detonation cap placed against a witness plate. The resulting craters in the plate correspond to literature data for the detonation behaviour of the chosen secondary explosives. CL-20 is the explosive with highest impact in the witness plate in accordance with the literature.

In the development of a new explosive, copper tetraaminodinitramide, this method in combination with other tests has been of great help in the characterisation of both explosive and sensitivity properties.