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## Research on Surface Coating of Nitroamine Explosives Particles

AN Chong-wei, SONG Xiao-lan, WANG Yi, GUO Xiao-de, LI Feng-sheng

(National Special Superfine Powder Engineering Research Center, Nanjing University of Science & Technology, Nanjing 210094, China)

**Abstract:** The surface coating researches on nitroamine explosives (such as RDX, HMX and CL-20) are reviewed. Various kinds of surface coating materials, methods and mechanics are summarized. The influence of surface coating on explosive dispersity, mechanical sensitivity are clearly explained. It is pointed out that the mechanical performance, combustion properties of propellant are improved by means of suitable surface coating. The issues and priorities in the future research are also proposed.

**Key words:** materials science; nitroamine explosive; coating material; coating method; coating mechanics

读者·作者·编者

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