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The Research on Surface Coating of Boron Particles

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Abstract: The process and coating mechanism of boron particles with titanium, zirconium, magnesium, GAP, AP, etc. were introduced. The effect of coated boron on the technology and combustion properties of boron-based propellant was discussed. The results showed that coating is the suitable way to improve the performance of boron-based propellant.

Key words: applied chemistry; boron-based propellant; boron; coating

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