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The Influence of Aluminum Power on Explosive Performance

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Abstract: The influence of aluminum powder on explosion heat, metal accelerating ability, overpressure and impulse, and DDT (deflagration to detonation transition) properties is reviewed.

Key words: explosion mechanics; aluminum powder; aluminum-containing explosive; explosion heat; detonation



《含能材料》关于2005年出版纳米含能材料专辑的征稿启事

纳米科学与纳米技术被认为是21世纪最热门的三大科技之一。随着纳米科学与技术的发展,纳米材料在火、炸药及推进剂领域的应用已开始引起含能材料工作者的广泛关注。为使有关研究成果得到更好的交流,促进纳米科技在该领域的发展,本刊拟于2005年10月组织出版一期专辑,内容主要是:纳米材料的性能、制备方法及相关技术、在含能材料中的应用、今后的发展方向。

请各位作者积极撰稿,于2005年8月1日前投至本刊,同时请在来稿上注明“纳米含能材料专辑”。