

合在一起,钝感效果较好。但总的看来,仅仅用包覆材料直接包覆 HNIW 使其钝感是不够的,寻求一种有效的钝感剂相当重要。

#### 参考文献:

- [1] 兵器工业情报站. 国外高能量密度材料研究最新进展 [M]. 北京: 兵器工业情报所, 1997.  
Information Institute of Ordnance Industry. New Foreign Development of Investigation of High Energetic Density

Material [M]. Beijing: Information Institute of Ordnance Industry, 1997.

- [2] Simpson R L, Urtiew P A, Ornellas D L, et al. CL-20 performance exceeds that of HMX and its sensitivity is moderate [J]. *Prop. Explos. Pyrotech.*, 1997, 22: 249.  
[3] 孙国祥. 高分子混合炸药 [M]. 北京: 国防工业出版社, 1985.  
SUN Guo-xiang. Polymer Composition Explosive [M]. Beijing: Publisher of Defence Industry, 1985.

## Investigation of Coating-desensitization of Hexanitrohexaazaisowurtzitane (HNIW)

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**Abstract:** The  $\epsilon$ -HNIW was coated by several kinds of materials such as fluororubber and chemigum by means of extruding-prilling, solution suspension and water suspension methods. The coated HNIW samples were evaluated by means of SEM and impact sensitivity test in order to confirm the desensitization effect and the effectiveness of the coating methods mentioned above. Results show that the solution suspension method is better than the extruding-prilling method to desensitization of HNIW. Among coated samples, impact sensitivity of  $\epsilon$ -HNIW coated by fluororubber F-5 by water suspension method is the lowest, value of characteristic height ( $H_{50}$ ) is 42.5 cm.

**Key words:** physical-chemistry; hexanitrohexaazaisowurtzitane (HNIW); coating; desensitization; impact sensitivity

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### 第五届中国功能材料及其应用学术会议 (CN NCFMA'04)

第五届中国功能材料及其应用学术会议定于 2004 年 9 月 12 ~ 16 日在北京或秦皇岛召开。两院院士、著名材料科学家师昌绪先生出任大会名誉主席, 中国科学技术协会副主席、北京工业大学校长左铁镛院士担任大会主席。大会将邀请我国功能材料各个领域的著名科学家作特邀报告。

**会议涉及:** 光功能材料、磁功能材料、电功能材料、热功能材料、能源和化学功能材料、力和声功能材料、生物功能材料、环境功能材料、纳米功能材料及其应用、以及功能材料制备加工技术、分析、检测、评价技术和功能材料产业的科技兴业与可持续发展等。

本届会议只受理没有在国内正式刊物和学术会议上发表过的原始论文、创新论文和研究报告。来稿请注明“会议征文”。大会将以《功能材料》2004 年增刊的方式出版发行《论文集》, 经专家审查合格的稿件将编入增刊。增刊与正刊具有同等效力。

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