

Aluminum powders modification and study of high-energy condensed compositions on their basis

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Abstract

Modification method for surfaces of spherical aluminum powders with dispersion 70 and 2 μm correspondingly by polymer – polytrifluorinechloroethylene F-32L is presented in this article. Studies of high-energy condensed composition based on modified aluminum were performed. The effect on thermal stability, burning velocity, condensed burning products content is shown.