

SPACE TRANSPORTATION SOLUTIONS AND INNOVATIONS SYMPOSIUM (D2)
Launch Vehicles in Service or in Development (1)

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STUDY ON PROPELLANT TECHNOLOGY OF LARGE SOLID BOOSTER

Abstract

This paper deeply analysis the technical requirements and the research progress of the propellants in large solid booster. The potential trends of propellant technology are proposed based on the above analysis. Some novel propellants for large solid booster are introduced and their feasibility is discussed. It can be indicated that choosing adequate propellant technology used in large solid booster is of great significance to promote the technical level of heavy bundled launch vehicle.