

ABSTRACT

AIRCRAFT INSULATION FILM AND BATTING RESEARCH AND DEVELOPMENT ACTIVITIES TO MEET PROPOSED NEW FLAME PROPAGATION AND BURNTHROUGH REQUIREMENTS

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The FAA issued a Notice of Proposed Rule Making in September of 2000. This NPRM proposed new test methods and performance criteria regarding surface flammability and burnthrough requirements for aircraft insulation blankets.

This paper will present a review of the new films developed to meet proposed Surface Flammability test methods and requirements for aircraft insulation covering films. The paper will then describe test results of existing production films, and test results of newly developed films over different batting systems.

Also presented will be a review of the new batting materials developed to pass the proposed burnthrough requirements for insulation blankets. These new batting materials systems will be described and burnthrough test results will be presented.

In addition, if appropriate, suggested clarifications to the proposed NPRM will be submitted for discussion among the International Aircraft Fire and Cabin Safety Research Conference members.

May 10, 2001
JWC