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Fire Suppression in Class-E Cargo Compartments

Abstract:

This presentation will discuss testing conducted at the W.J. Hughes Technical Center to determine methods effective in suppressing fires in class-E cargo compartments. Cargo in the class-E compartments are generally transported either on pallets or in containers. Various methods such as oxygen starvation, fire suppression agents, fire resistant containers, and fire containment covers were tested against a deep seated fire consisting 2.5 lbs of shredded paper in 18"x18"x18" cardboard boxes. Temperatures and oxygen concentrations were measured and compared to each test scenario.