

*Fire Performance as a Function of Incident Heat Flux*

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Numerous fire test standards exist to qualify materials for use in transportation applications. A large number of these tests deliver a pass/fail result without yielding quantitative information applicable to engineering calculations and fire risk assessments. A methodology is described involving fire tests employing external heating, quantifying performance in terms of incident heat flux, resulting in Flammability Diagrams. These Flammability Diagrams provide a comprehensive picture of a material's fire performance that can be used in engineering applications.