

Product Specification

Fireflex lightweight, open-celled acoustic melamine material meets the following regulations. Where not indicated, the following tests were performed on 1" thick material.

FM VSS 302: Passes (automotive)

UTAC (Union Technique de l'Automobile
Du Motorcycle et du Cycle) Passes (Category 1 buses)

UL code 94, electronics HBF: Passes
HF1: Passes
VO: Passes

ASTM E84 Class 1 Flame Spread: 10
Smoke Density: 50

The ASTM E 84 test procedure is comparable to UL 732, ANSI/NFPA No. 255, and UBC No. 8-1

FAR 25.853, aviation: Passes

ASTM C 518 Thermal Conductivity 0.25 Btu in/h ft² °F at 68 °F

ASTM C 177 Thermal Conductivity 0.25 Btu in/j ft² °F at 68 °F

ASTM E 162-83 Surface Flammability of Materials Using a Radiant Heat Energy Source
Flame spread factor: 6.7
Heat Evolution factor: 3.5
Flame spread index: 22.9

ASTM D 3574-86 Density Test: 0.7 lb/ft³
Indentation Force, at 25% = 82 ldf;
Deflection Test at 75% = 356 lbf

Compression Set Test at 50% = 6.2%
(73 °F/50% r.H.) at 75% = 8.5%
at 90% = 14.4%

Light resistance No Yellowing or
2 Days UV pulverulence