

### Technical Specification

#### Product: FireFlex Melamine Foam

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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
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ASTM E84 Class 1	Flame Spread: 10 Smoke Density: 50
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The ASTM E84 test procedure is comparable to UL 732, ANSI/NFPA #255, and UBC #8-1

FAR 25.853 - Aviation	Passes
ASTM C518 - Thermal Conductivity	0.25 Btu in/h ft <sup>2</sup> °F at 68 °F
ASTM C177 - Thermal Conductivity	0.25 Btu in/j ft <sup>2</sup> °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: Indentation Force: Deflection Test:	0.7 lb/ft <sup>3</sup> at 25% = 82ldf at 75% = 356 lbf
Compression Set Test (73 oF/50% r.H.)	at 50% = 6.2% at 75% = 8.5% at 90% = 14.4
Light Resistance 2 Days UV (300 - 380 nm)	No Yellowing or Pulverulence