

Tec Spec Data Sheet

Fireflex Melamine Foam

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, electronic	HBF: Passes HFI: 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 ft ² °F at 68 °F
ASTM C 177 Thermal Conductivity	0.25 Btu in/j ft ² °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	.7 lb/ft ³ at 25% = 82 lbf; 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	No Yellowing or pulverulence