

FPC Silicone Foam on Fibreglass Backing with Extraordinary Fire Blocking Properties

FPC is a modified closed-cell elastomeric silicone foam on a fibreglass backing, and is available in continuous rolls. FPC offers extraordinary fire blocking properties including the ability to resist burn through when the foam side is exposed to an 843°C flame for long periods. FPC also exhibits low flame spread.

Applications for FPC include anywhere a fire barrier is needed. In addition the material offers acoustic insulation properties and is available with a variety of acrylic and silicone adhesives for mounting purposes.

Property	Typical Value	Notes
Areal Density (kg/m ²)	0.8	1.5mm thick
Width (mm)	to 915	
Colour	White	
Structure	Silicone foam on glass fibre	
Thickness (mm)	1.6 - 6.4	
Burn Through Resistance	843°C flame for 20 minutes	

Meets:

- FAR 25.853 (a)(1)(i)
- FAR 25.853 (a)(1)(ii)
- FAR 25.855 (c) (1.6mm thick)
- DAN 1226-02 (1.6mm thick)
- ABS 5026 (1.6mm thick)
- AITM2.0002B/ABD0031 Flammability
- AITM2.0007/ABD0031 Smoke Density
- AITM3.0005/ABD0031 Gas Toxicity

Health risk information

In the form supplied, FPC does not present an immediate health risk. However, processing and handling can produce airborne respirable fibres, inhalation of which may cause serious respiratory disease. For further information, please see Safety Data Sheets.