MSK2
Kevlar Silicone Foam Composite

MSK2 is a Kevlar-silicone foam composite. It offers excellent fire resistance, very low thermal conductivity, outstanding flame penetration resistance according to FAR/JAR 25.855(c), good mechanical properties, low weight, remarkable chemical resistance, low emission values and low smoke density.

In addition to the applications listed, it is used for flexible/durable joining elements and flame penetration resistant parts according to FAR/JAR 25.855(c) for aerospace and other industries.

MSK2 can be sewn to produce 3D parts. This is typically carried out with a stainless steel core/para-aramid thread to maintain the flame-retardancy of the assemblies.

Property	Typical Value	Test Method
Areal Density (kg/m²)	1.3 – 1.6	ISO 2286-2
Width (mm)	to 1300	
Colour	Olive Green	
Thickness (mm)	2.2 – 3.0	ISO 1923
Tensile Strength Warp & Weft (N/25mm)	500 min.	ISO 1798
Tear Strength, Warp (N)	20 min.	ISO 4674-1 Procedure B
Tear Strength, Weft (N)	35 min.	ISO 4674-1 Procedure B
Flammability	Pass	AITM 2.0002B JAR/FAR 25 App F Part I
Smoke Gas Components	Pass	AITM 3.0005
Smoke Density	Pass	ADB 0031 (Issue D) AITM 2.0007 JAR/FAR 25 App F Part V
Flame Penetration Resistance	Pass	AITM 2.0010 JAR 25 App F Part III

Meets:

- ABS 5026 B01
- DAN 1226-03
- JAR/FAR 25.855 (c)

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