

Flame-Retardant Silicone Sheeting Datasheet

Product Code: RC0323-FR

Product Description

This flame-retardant sheeting offers excellent fire-resistant performance. It conforms to BS 6853 Category 1A, NF F 16-101 (L0, L2), and EN 45545-2 HL2 (R1, R7, R22 and R23 materials), FAR 25/ JAR 25/ CS 25 Appending F, Part 1, (a)(1)(iv) and (a)(1)(v) horizontal flammability tests, and is tested to UL 94 V-0 (at 3mm) and UL 94 V-1 (at 2mm) specifications. This material is available 1m wide in linear metre lengths, in a range of thicknesses.



Flame Retardant



High Temperature

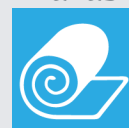


Durable



Weather-Resistant

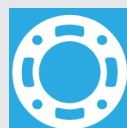
Available In:



Full Rolls



Cut to Strip



Bespoke Gaskets

Accreditations

- BS 6853 Category 1A
- NF F 16-101 12, F0
- EN 45545-2 HL2 for R1, R7, R22, and R23 materials
- FAR Part 25, JAR-25, and CS-25 Appending F, Part 1, (a)(1)(iv) and (a)(1)(v) horizontal flammability tests
- UL 94 V-0 tested at 3mm (not UL listed)
- UL94 V-1 tested at 2mm (not UL listed)
- 49 CFR Part 571.302 (FMVSS 302)
- LUL 1-085
- REACH and RoHS compliant

Technical Specification

Property	Test Method	Value
Material	-	Silicone (MF775 compound)
Colour	-	Dark Grey
Hardness (Shore A)	ASTM D2240	73° ±5
Tensile Strength	ASTM D412 Die C	10.2MPa
Elongation at Break	ASTM D412 Die C	320%

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The information contained on this product information sheet is to be used as guidance. The advice is given in good faith and does not constitute any guarantee or recommendation for suitability. RubberSmart cannot be held liable for any damage caused by incorrect installation. We hereby reserve the right to change the technical information herewith without notification or prior agreement.

Technical Specification - continued

Property	Test Method	Value
Compression Set (24 hours at 150 °C)	BS 903 Part A6 Type B	20%
Compression Set (22 hours at 300 °C)	ASTM D395 Method B Type 2	20%
Brittle Point	ASTM D746	-80 °C
Limiting Oxygen Index	ASTM D2863	43.1%
Thermal Conductivity	VDE 0304	0.24 W.m ⁻¹ .K ⁻¹
Radiation Resistance	-	>10 ⁵ Grays (10 ⁷ Rads) typical
Dielectric Strength	VDE 0303	23kV.mm ⁻¹
Dielectric Constant	IEC 60250	3.0
Dissipation Factor	IEC 60250	3x10 ⁻³
Volume Resistivity	IEC 60093	8.1x10 ¹⁵ Ω.cm
Operating Temperature Range	-	-60 °C to +230 °C



ISO
9001 : 2015
REGISTERED

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