



FR (Flame Retardant) SILICONE RUBBER MF775

MATERIAL SPECIFICATION SHEET

Temperature Range

-60°C (-76°F) to 230°C (446°F) and up to 250°C (482°F) intermittent

Specifications

Flame Retardant Sheeting for use in the mass transit industry and similar other safety conscious industries.

Tested to and complies with BS6853 Category 1 NF F 16-101 I2, F0, CEN TS45545-2 – HL2 for R1 and R6 materials.

Meets FAR 25/JAR 25/CS 25 Appendix F, Part 1, (a)(1)(i), (a)(1)(ii) vertical and (a)(1)(iv), (a)(1)(v) horizontal flammability tests.

Automotive Standard PART 571FMVSS302.

UL94 V1 on 2mm (Not UL Approved).

Environment Resistance

Silicone rubber products have an excellent resistance to ozone, oxidation, ultraviolet light, corona discharge, cosmic radiation, ionising radiation and weathering in general.

General Characteristics

Test	Result	Standard
Brittle point	-80°C (-112°F)	ASTM D746
Limiting Oxygen Index	24.0%	BS 2782 Part 1
Thermal Conductivity	0.24 W.m ⁻¹ .K ⁻¹	VDE 0304
Radiation Resistance	>10 ⁵ Grays (10 ⁷ Rads) typical	
Dielectric Strength	23 kV.mm ⁻¹	VDE 0303
Dielectric Constant	2.9	VDE 0303
Dissipation Factor	3x10 ⁻⁴	VDE 0303
Volume Resistivity	3x10 ¹⁵ Ω.cm	VDE 0303

Typical Applications

Aerospace, Automotive, Construction, Marine, Mass Transit and MOD.



ISO 9001:2015 Q93057 ISO 14001:2015 EMS 505718

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