

## VFR(2)SH

### Silicone Rubber Sheeting MF775 Flame Retardant Rail Spec

#### Material

VFR(2)SH is the Viking Extrusions material code for FR8775U/MF775.

#### Available Grades

1000mm wide sheet

73° Shore A

Grey

Other formats available on request

#### General Information

Our Flame-Retardant Sheeting has been specifically developed for use in the mass transit industry and similar other safety conscious industries. The grade has been tested to and complies with BS6853 Category 1A NF F 16-101 I2, F0, EN45545-2-HL2 for R1, R7, R22 and R23 materials.

These products also meet FAR 25/JAR 25/CS 25 Appendix F, Part 1, (a)(1)(i) and (a)(1)(ii) vertical and (a)(1)(v) horizontal flammability tests. Automotive Standard PART 571FMVSS302. UL94 V0 at 3mm and UL94 V1 on 2mm (not UL Approved). Kindly note that this material has been independently tested to the UL94 criteria but is not UL listed and does not have a UL certificate (yellow card).

#### Material compliance

- BS 6853 Cat 1A
- NF F 16-101 I2, F0
- EN45545-2-HL2 for R1, R7, R22 and R23 materials
- UL94V0 3mm tested
- LUL 1-085
- REACH and RoHS compliant

#### Environmental Resistance

Silicone Rubber Products have an excellent resistance to:

- Ozone
- Oxidation
- Ultraviolet Light
- Corona Discharge
- Cosmic radiation
- Ionising radiation
- Weathering in general

#### Typical Applications

- Mass transit
- Automotive
- Electronics
- Construction
- Aerospace
- Insulations
- Lighting and marine

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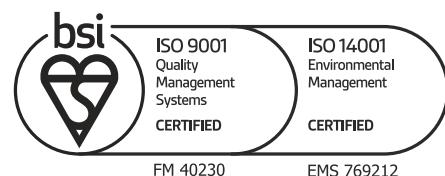
**Viking Extrusions Ltd** – Ivy Arch Road, Worthing, West Sussex, BN14 8BX, UK

Company Number: 2634482UK

VAT Number: GB587651394

Registered in England & Wales

REV 01 – Last Updated: 13/04/24



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## Silicone Rubber Sheetting MF775 Flame Retardant Rail Spec

### Availability format

- Supplied in continuous roll lengths
- Widths of 1000mm as standard
- Pressure sensitive adhesive backed if required
- Cut gaskets
- Grey colour
- Strips and fabricated articles

### Mechanical Properties

Property	Units	Typical Value	Test Method
<b>Hardness</b>	Shore A (±5)	73	ASTM D2240 DIN ISO 7619-1
<b>Tensile Strength</b>	MPa (PSI)	10.2 (1480)	ISO 37 type 1 ASTM D412 die C DIN 53504 type S1
<b>Elongation to Failure</b>	%	320	ISO 37 type 1 ASTM D412 die C DIN 53504 type S1
<b>Compression set 24 hrs @ 150°C</b>	%	20	BS 903 pt A6 type B DIN/ISO 815 type B
<b>Compression set 22 hrs @ 300°C</b>	%	20	ASTM D395 method B type 2

These figures are only intended as a guide and should not be used in preparing specifications.

### General Characteristics

Test	Result	Standard
Brittle Point	-80°C (-112 °F)	ASTM D746
Limiting Oxygen Index	43.1 %	BS 2782 Part 1
Thermal Conductivity	0.24 W.m-1.K.1	VDE 0304
Radiation Resistance	>10 <sup>5</sup> Grays (10 <sup>7</sup> Rads) typical	
Dielectric Strength	23 kV.mm-1	VDE 0303
Dielectric Constant	2.9	IEC 60250
Dissipation Factor	3x10 <sup>-3</sup>	IEC 60250
Volume Resistivity	8.1x10 <sup>15</sup> Ω.cm	IEC 60093

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