

VFR70V0SH

Flame Retardant Silicone Rubber Sheetting

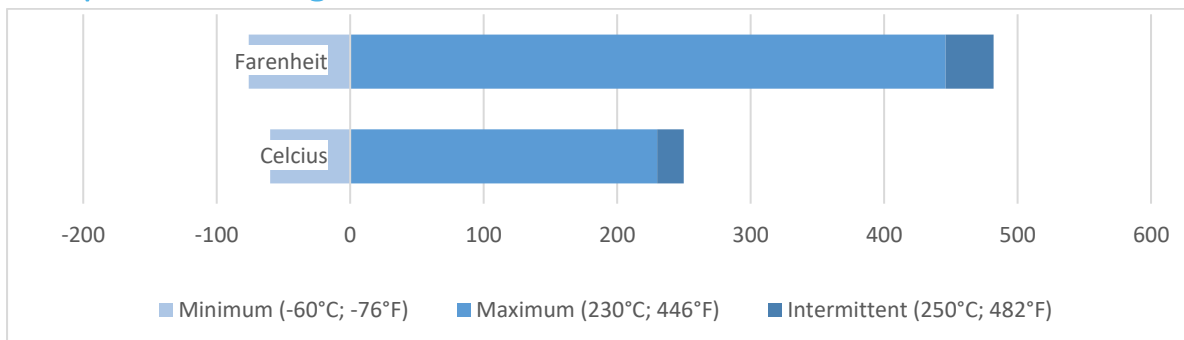
Material

Flame Retardant Silicone Rubber FRV0

Available Grades

FRV0 70

Temperature Range



General Information

VFR70V0SH sheeting has been specially developed for fire safety in industries such as mass transit and aerospace.

This product meets the flammability requirements of FAR 25/JAR 25/CS 25 Appendix F, Part 1, (a)(1)(iv) and (a)(1)(v) horizontal flammability test and Automotive Standard PART 571MVSS302.

Material compliance

- FAR 25/JAR25/CS 25 Appendix F, Part 1, (a)(1)(iv) (a)(1)(v) horizontal flammability test
- Automotive standard PART 571MVSS302
- REACH and RoHS compliant
- UL94V0 ($\geq 2\text{mm}$)
- EN45545-2 – HL3: R22 R23, HL2: R1 & R7
- NFPA-130

Availability Format

- Supplied in continuous roll lengths
- Standard width 1200mm, other widths on request
- Pressure sensitive adhesive backing
- Punched and cut gaskets
- Slit strips
- Grey colour

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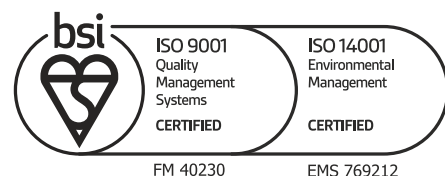
Viking Extrusions Ltd – Ivy Arch Road, Worthing, West Sussex, BN14 8BX, UK

Company Number: 2634482UK

VAT Number: GB587651394

Registered in England & Wales

REV 01 – Last Updated: 19/06/24



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Flame Retardant Silicone Rubber Sheetting

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

- Automotive
- Mass Transit
- Construction
- Aerospace
- Industrial

Material Properties

Property	Units	Typical Value	Test Method
Hardness	Shore A	70 ± 5	DIN ISO 7619-1
Tensile Strength	MPa (PSI)	10.2 (1480)	ISO 37 type 2
Elongation to Failure	%	320	ISO 37 type 2
Tear Strength	N/mm	19	ASTM D624 die B
Compression Set 24 Hrs @ 150°C	%	20	DIN/ISO 815 type B
Compression Set 22 Hrs @ 300°F	%	2	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	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	3.0	VDE 0303
Dissipation Factor	3x10 ⁻³	VDE 0303
Volume Resistivity	8.1x10 ¹⁵ Ω.cm	VDE 0303

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