

# VTHT40-70SH

## High Temperature Silicone Rubber Sheet

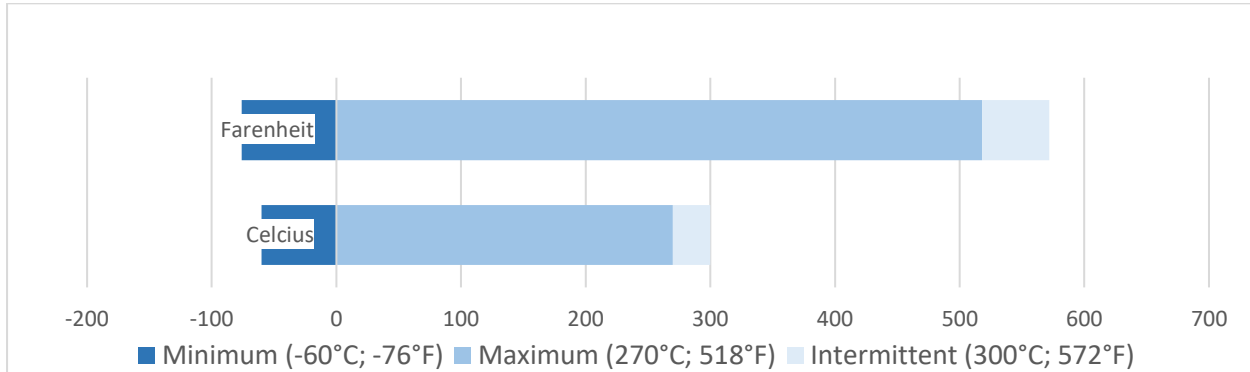
### Material

High Temperature Silicone Rubber

### Available Grades

VTHT40SH, VTHT50SH, VTHT60SH,  
VTHT70SH

### Temperature Range



### General Information

Our colour range contains only ingredients approved and listed within the American Food and Drugs Administration (FDA) 21 CFR 177-2600.

These Products meet 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

- FDA 21 CFR 177-2600 compliant
- BfR compliant
- EC1935/2004
- 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

### Environmental Resistance

Silicone Rubber Products have an excellent resistance to:

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

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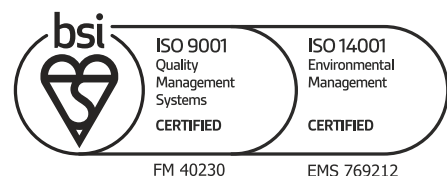
**Viking Extrusions Ltd** – Ivy Arch Road, Worthing, West Sussex, BN14 8BX, UK

Company Number: 2634482UK

VAT Number: GB587651394

Registered in England & Wales

REV 01 – Last Updated: 04/04/24



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## High Temperature Silicone Rubber Sheet

### Material Properties

Property	Units	Typical Value	Typical Value	Typical Value	Typical Value	Test Method
<b>Hardness</b>	Shore A ± 5	40	50	60	70	ASTM D2240 DIN ISO 7619-1
<b>Tensile Strength</b>	MPa (PSI)	7 (1015)	8 (1160)	9 (1305)	10 (1450)	ISO 37 type 1 ASTM D412 die C DIN 53504 Type S1
<b>Elongation to Failure</b>	%	600	400	350	350	ISO 37 type 1 ASTM D412 die C DIN 53504 Type S1
<b>Tear Strength</b>	N/mm (lb./in.)	15 (86)	18 (102)	22 (125)	19 (109)	ASTM D624 die B
<b>Compression set 24 hrs @ 150°C</b>	%	13	11	11	10	BS 903 pt A6 type B DIN/ISO 815 type B
<b>Compression set 22hrs @ 300°C</b>	%	13	10	10	10	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	>105Grays (107Rads) typical	
Dielectric Strength	23 kV.mm-1	VDE 0303
Dielectric Constant	2.9	VDE 0303
Dissipation Factor	3x10-4	VDE 0303
Volume Resistivity	3x1015Ω.cm	VDE 0303

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