

# VGF60SH

## Glass Fibre Reinforced Silicone Rubber Sheet

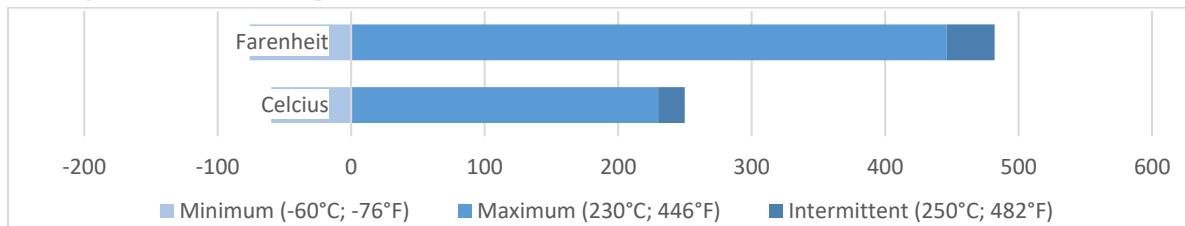
### Material

1 ply glass fibre reinforced silicone rubber sheet

### Available Grades

Red oxide, 60° Shore A. Other hardnesses and fabrics available on request

### Temperature Range



### General Information

Our specially formulated 1 ply glass reinforced sheeting for applications where supported materials are needed to reduce stretch and elongation. It can be applied to fabrics such as glass fibre, polyester and Kevlar® cured and uncured or on polythene liners in a catalysed uncured state.

### Material compliance

- FDA 21 CFR 177-2600 compliant\*
- REACH and RoHS compliant

\*Please note that the silicone rubber used is FDA compliant, however, the **glass fibre reinforcement is not FDA.**

### 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

- Reinforced gaskets
- Automotive hose building (in uncured format)
- Seals and fabrications
- Fabricated articles
- Heater pads

This information and our technical advice, whether verbal, in writing or by way of trials, is given in good faith. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose. This also applies where proprietary rights are involved. Our advice does not release you from the obligations to check its validity and to test our products as to their suitability for their intended use. The storage, application and use of our products are beyond our control and, therefore, entirely your own responsibility. The information contained within this data sheet is subject to change without notice.

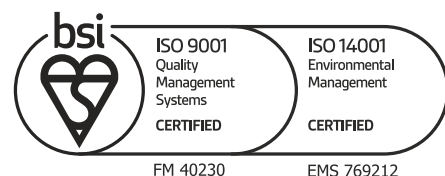
Viking Extrusions Ltd – Ivy Arch Road, Worthing, West Sussex, BN14 8BX, UK

Company Number: 2634482UK

VAT Number: GB587651394

Registered in England & Wales

REV 01 – Last Updated: 17/06/24



# VGF60SH

## Glass Fibre Reinforced Silicone Rubber Sheet

### Material Properties

Property	Units	Compound Spec Limits	Typical Value	Test Method
<b>Hardness</b>	° Shore A	60 ±5	60	ASTM D2240 DIN 53505
<b>Tensile Strength</b>	MPa (PSI)	5.5 min (798 min)	10 (1450)	BSISO 37 ASTM D412 die C
<b>Elongation to Failure</b>	%	200 min	400	BSISO 37 ASTM D412 die C
<b>Tear Strength</b>	N/mm (lb./in.)	10.0 min (57)	22 125	ASTM D624 die B
<b>Adhesion Strength</b>	N/25mm	9 min	12	SEWI 593

Fabric – Glass Cloth		
Property	Units	Spec Limits
<b>Composition</b>	Warp Weft	Glass Glass
<b>Weight</b>	g/m <sup>2</sup>	204
<b>Warp Count</b>	d'tex	680
<b>Weft Count</b>		680
<b>Weave</b>		Plain
<b>Thickness</b>	mm	0.18
<b>Reference</b>		EKC161

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 <sup>5</sup> Grays (10 <sup>7</sup> Rads) typical	
Dielectric Strength	23 kV.mm <sup>-1</sup>	VDE 0303
Dielectric Constant	2.9	VDE 0303
Dissipation Factor	3x10 <sup>-4</sup>	VDE 0303
Volume Resistivity	3x10 <sup>15</sup> Ω.cm	VDE 0303

This information and our technical advice, whether verbal, in writing or by way of trials, is given in good faith. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose. This also applies where proprietary rights are involved. Our advice does not release you from the obligations to check its validity and to test our products as to their suitability for their intended use. The storage, application and use of our products are beyond our control and, therefore, entirely your own responsibility. The information contained within this data sheet is subject to change without notice.

**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: 17/06/24

