

VGD20FSH

FDA Complaint Silicone Sponge Sheet

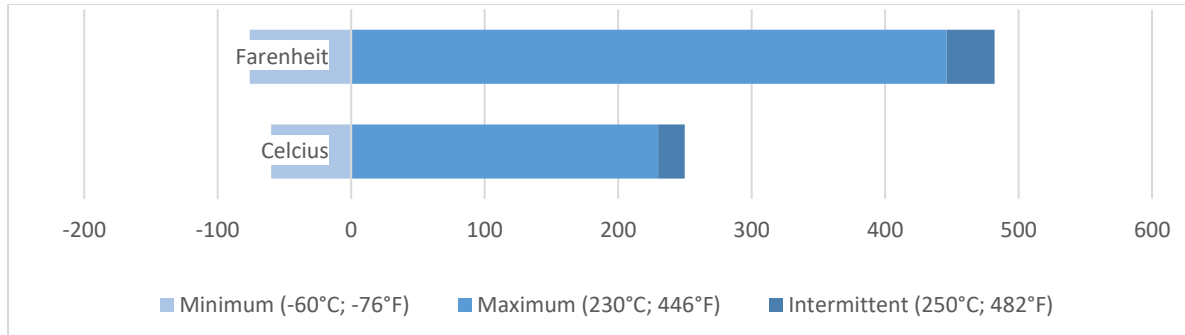
Material

Mainly closed cell silicone sponge

Available Grades

VGD20FSH

Temperature Range



General Information

Our VGD20FSH range is in compliance with the American Food and Drugs Administration (FDA) 21 CFR 177-2600. It is as well compliant to German BfR Recommendation XV on silicone Food Contact and therefore EU1935/2004 compliant. The sponge is predominately closed cell with low water absorption and dust ingress protection up to IP65.

Material compliance

- American Food and Drugs Administration (FDA) 21 OFR 177-2600
- Directive EC1935/2004

Availability Format

Silicone Rubber Products have an excellent resistance to:

- Supplied in rolls or individual sheets
- Widths up to 1000mm
- Pressure sensitive adhesive backing
- Cut Gaskets
- White colour
- Slit strips
- Fabricated articles

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.

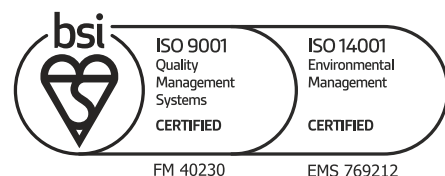
Viking Extrusions Ltd – Ivy Arch Road, Worthing, West Sussex, BN14 8BX, UK

Company Number: 2634482UK

VAT Number: GB587651394

Registered in England & Wales

REV 01 – Last Updated: 17/06/24



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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

- Food sensitive and food processing
- Medical/pharmaceutical

Material Properties

Property	Units	Typical Value	Test Method
Density*	Kg/m ³ (lb/ft ³)	420 (26)	BSENISO 845 ASTM D3574
Hardness**	Shore OO (Shore A)	60 ±5 (15)	ASTM D2240
Compression Stress 40% Strain ***	kPa (PSI)	90 (13)	BSENISO 3386 Part 1, 2
Compression Stress 25% strain ***	kPa (PSI)	55 8	ASTM D1056
Tensile Strength	MPa (PSI)	0.9 (131)	BSENSIO 1798 ASTM D412
Elongation to Failure	%	500	BSENISO 1798 ASTM D412
Compression Set 50% Compression 24 hrs recovery, 22hrs 70°C (158°F)	%	3.5	BSENSIO 1856
Compression Set 50% Compression 24 hrs recovery, 22hrs 100°C (212°F)	%	4.0	ASTM D1056

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

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FM 40230

EMS 769212

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General Characteristics

Test	Result	Standard
Brittle Point	-80°C (-112 °F)	ASTM D746
Limiting Oxygen Index	24.0 %	BS 2782 Part 1
Thermal Conductivity	$6.4 \times 10^{-2} \text{ w.m}^{-1} \cdot \text{K}^{-1}$	BS 874 Part 2
Radiation Resistance	>10 ⁵ Grays (10 ⁷ Rads) typical	

Additional Information

- Platinum cured
- Smooth and dry surface

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