

# VGD20FSH

## FDA Complaint Silicone Sponge Sheet

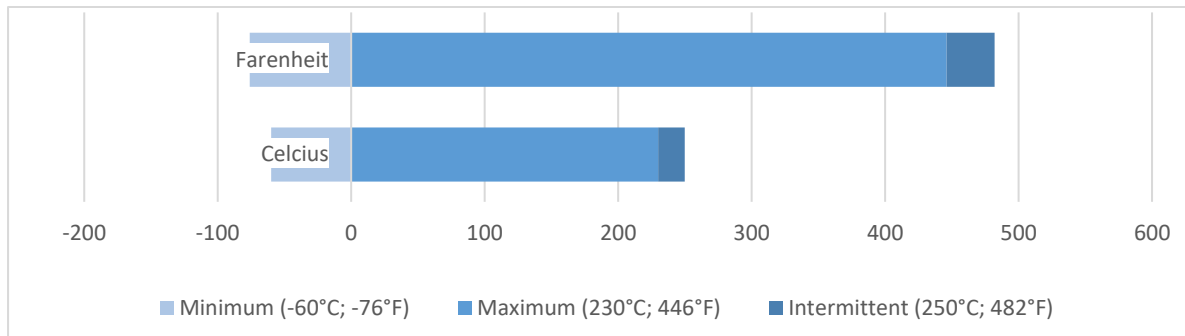
### Material

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 CFR 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.

# VGD20FSH

## FDA Complaint Silicone Sponge Sheet

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

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

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.

# VGD20FSH

## FDA Complaint Silicone Sponge Sheet

### 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 <sup>5</sup> Grays (10 <sup>7</sup> Rads) typical	

### Additional Information

- Platinum cured
- Smooth and dry surface

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.