

# PSMSil FDA Silicone Sponge

## Product Data Sheet

“Premium Products Right, On Time”

**PSMSil FDA** is a closed cell silicone sponge that is suitable for FDA applications. It has been independently tested and complies with FDA extraction test *e* (aqueous food) and *f* (fatty food), as required under CFR21 177.2600. Testing report available on request.

This product is particularly suited to the food and pharmaceutical industries where a soft compressible material with excellent thermal stability is required.

### Features

**PSMSil FDA** has the following properties:

- Thermal stability from -50°C up to +200°C
- Low compression set
- Excellent resistance to weathering
- Resistance to UV and ozone
- Good thermal insulator
- Closed cell structure and sealed outer skin, suitable for air/water sealing applications

### Applications

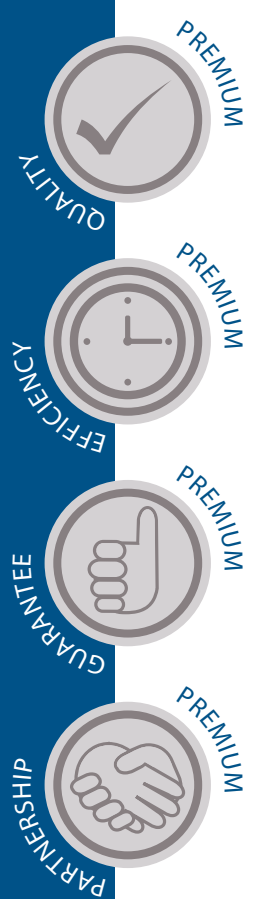
The inherent flexibility of the product coupled with its excellent properties means that it can be used in a range of applications across wide market offerings, such as:

- High and low temperature gaskets and seals
- Thermal insulation for both hot and cold applications
- Weather seals in external environments
- Food sensitive/food processing

### Options

**PSMSil FDA** is produced in light blue as standard.

As with all of our other products fabric finish and adhesive backing is also available.



FDA APPROVED MATERIALS



-50°C up to +200°C.  
HIGH TEMPERATURE RESISTANCE



EXCELLENT RESISTANCE TO  
WEATHERING, UV & OZONE



EXCELLENT MOISTURE  
RESISTANCE

**SOLBI MURAL, S.L.**

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### Typical Properties

Properties	P20 (medium firm)
Density (Imperial)	20 lbs/ft <sup>3</sup> (+/- 4)
Density (Metric Kg/m <sup>3</sup> )	300Kg/m <sup>3</sup> (+/- 65)
Density (Metric g/cm <sup>3</sup> )	0.30g/cm <sup>3</sup> (+/-0.06)
Hardness *1     Shore A	25
Elongation at break (%) 10mm thick	225
Compression set (%) *2 50 % compression for 22 hours at 70oC 10mm thick sample	15
Tensile strength (Mpa) 10mm thick	0.85
Tensile strength (newtons) 10mm thick sample	85
Temperature Max (°C) Continuous	200
Intermittent	225
Temperature (Min) °C	-50

### Tolerance Data Cord & Extrusions

Size	Tolerance ISO 3302-1: 1996	
	Standard	E2
0 to 1.5	+/- 0.25	
>1.5 to 2.5mm	+/- 0.35	
>2.4 to 4.0mm	+/- 0.40	
>4.0 to 6.3mm	+/- 0.50	
>6.3 to 10.0mm	+/- 0.70	
>10.0 to 16.0mm	+/- 0.80	
>16.0 to 25.0mm	+/- 1.00	

Please note our information is based on lab tested samples. Technical data is provided in good faith but without warranty.

End users should check to ensure our products are suitable for their intended use.

