



## SIL20 FDA SILICONE FOAM

### MATERIAL SPECIFICATION SHEET

A closed cell Silicone sponge material available in sheet, cord or extruded format produced with FDA approved ingredients.

This product is particularly suited to the food and pharmaceutical industries that require a soft, compressible material with excellent thermal stability from -50°C up to +200°C.

### Features

Silicone sponge has the following properties:

- 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
- Platinum Cured
- Excellent 'white' colour (can be pigmented in other colours)
- Mainly closed cell
- Smooth skin
- US FDA 21CFR 177.2600 compliant
- EC1935/2004 compliant
- BfR recommendation XV complaint

### 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



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**Options**

SIL 20 FDA is produced in white as standard  
Adhesive backing is available.

Typical Properties Properties		SIL 20 FDA
Density (Imperial)		24lbs/ft <sup>2</sup> (+/- 4)
Density (Metric)		400Kg/m <sup>2</sup>
Elongation at break (%)		215
Compression set (%)		15
Tensile strength (Mpa) 10mm thick		0.85
Tensile strength (Newtons) 10mm thick sample		85
Temperature (max	Continuous	200
	Intermittent	200
Temperature (min °c)		-40
Toxicity NES 713 iss.3		14
Smoke index NES 711 iss.2		46
Burn rate BS4736 : 1974		0.03mm/s
Thermal Conductivity (W/m.K)		0.0695W/m.K



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