

Commercial Quality Silicone Sponge Sheet - Standard Density

These products meet the flammability requirements of UL94HB/FAR 25/JAR 25.

Approved by WRAS (Water Regulations Advisory Service) for use in contact with potable water at temperatures up to 85°C (185°F). WRAS approval no. 1810553.



Temperature Range:

-60°C (-76°F) to 230°C (446°F).

Environmental Resistance:

Silicone rubber products have an excellent environmental resistance to ozone, oxidation, ultraviolet light, and weathering in general.

Availability:

- Supplied in rolls and individual sheets (see table below)
- Pressure sensitive adhesive backing.
- Custom cut gaskets.

Typical Applications:

- Automotive
- Electronics
- Energy
- Construction
- Heating & Ventilation (HVAC)
- Industrial
- Insulations
- Lighting
- Marine

PROPERTY	TYPICAL VALUE	TEST METHOD
Colours	Off White as standard - Dark Grey and Red Iron Oxide also available.	
Density*	235 Kg/m ³ 14.6 lb.ft ³	ISO 845 ASTM D1056
Compression Force Deflection 40% Strain Compression Force Deflection 25% Strain	80 kPa 5.0 psi	ISO 3386 ASTM D1056
Tensile Strength	0.6 MPa 87 psi	ISO 1798 ASTM D142
Elongation to Failure	145%	ISO 1798 ASTM D412
Compression Set 50% compression - 24hrs recovery 22hrs @ 70°C (158°F) 22hrs @ 100°C (212°F)	6.0% 12%	ISO 1856 ASTM D1056
Water Absorption	<5%	ASTM D1056
Rolls 1000mm wide x 10m long	Thicknesses: 1.5mm / 2mm / 3mm / 4mm / 5mm / 6mm / 8mm / 10mm / 12mm	
Rolls 1000mm wide x 5m long	Thicknesses: >12mm - 15mm	
Sheets 1m x 600/1000mm (subject to MOQ)	Thicknesses: 16mm / 20mm / 25mm	

* Density measured on 25mm diameter cord sample. The density of samples of different sizes will be different from that stated here.

The compressive stress on samples of different dimensions, especially thickness may vary from that quoted here.

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RS 27920



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TEST	RESULT	STANDARD
Brittle Point	-80°C (-112 °F)	ASTM D746
Limiting Oxygen Index	24.0%	BS 2782 Part 1
Thermal Conductivity	0.070 W.m ⁻¹ .K ⁻¹	BS 874 Part 2
Radiation Resistance	>10 ⁵ Grays (10 ⁷ Rads) typical	

Dimensional Tolerances:

THICKNESS (mm)	Class 3
1.5 - 7	±0.5
7.5 - 10	±0.8
11.5 - 17	±1.5
17 - 19	±1.9
19 - 20	±2
20 - 25	±2.5
25 - 30	±10%

Dimensional Tolerances: are typically class 3 as standard, unless otherwise stated. Class 2 and Class 1 tolerances on request, in most instances.

Disclaimer: All recommendations and information contained in this specification sheet are to the best of our knowledge correct. Since conditions of service are beyond our control, users must satisfy themselves that the products are suitable for intended use. No warranty is given or implied in respect of information or recommendations or that any use of products will infringe rights belonging to other parties. In any event or occurrence our liability is limited to the invoice value of our goods delivered to you. We reserve the right to change product design and properties without notice.

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