

Silicone Sponge

Quality

kSil™ NG silicone sheeting is the next generation of silicone sponge manufactured by Silicone Engineering.

Calendered on the latest state of the art processing line means the sponge has a number of benefits including:

- ✓ **Flatter Sheets** - No curling at the corners
- ✓ **Bright White** - No discolouring
- ✓ **Low Compression Set** - Excellent Sealing
- ✓ **Low Water Absorption** - < 1%

Formulated, mixed and manufactured in-house means we have full traceability of our silicone materials which means quality is guaranteed.

kSil™ NG meets the following specification requirements

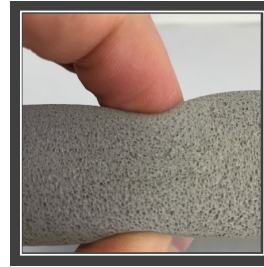
FAR 25/Jar 25/CS 25 Appendix F, Part 1/ (a)(1)(iv) and (a)(1)(v) horizontal flammability tests.

Features & benefits

Silicone Engineering's kSil™ NG sponge sheeting provides a number of benefits:



Manufactured in widths up to **1mtr**



Super Low Compression Set



Low Water Absorption < **1%**



Excellent **Ozone** and **UV** resistance



Bright White in Colour



Available in a wide range of densities **150 to 530kg/m³**

Physical Performance

Property	Units	Typical Value	Test Standard
Density:	kg/m ³ (lb/ft ³)	150 (9.4)	ASTM D1056
Compression Force Deflection @ 25% :	kPa (psi)	23 3.4	ASTM D1056
Compression Force Deflection @ 40%	kPa (psi)	51 7.4	BS EN ISO 3386
Tensile Strength	kPa (psi)	245 (36)	ASTM D412
Elongation	%	230	ASTM D412
Compression Set 50% compression 24hrs recovery 22hrs @ 70°C (158°F)	%	4	BS EN ISO 1856
22hrs @ 100°C (212°F)	%	20	ASTM D1056
Water Absorption	%	< 1	ASTM D1056

*This information is given in good faith but without warranty. It is the users' responsibility to check kSil™ is suitable for a specific application or purpose. Please refer to full technical datasheet for complete test results and standards.

Industry

- Gasket Converters & Fabricators
- Rail & Mass Transit
- Aerospace
- Automotive
- LED Lighting
- Military
- HVAC
- Electronics
- Oil & Gas

Applications

- Thermal Insulation
- Vibration Dampening
- Acoustic Insulation
- Electrical Enclosure Seals
- HVAC Seals
- Environmental Seals
- LED Lighting Gaskets
- Shock Absorption