

Silicone Sponge

The thermal stability of silicone rubber is probably its most important asset. Components made from these rubbers are affected only to a small extent by extremes of temperature. An operating temperature range of -90°C to +250°C (depending on grade) is acceptable intermittently and for continuous use it will stand temperatures of -60°C to +200°C.

Silicone rubber is an excellent electrical insulating material. Resistance to arcing corona, ultra-violet light and ozone is good.

It decomposes at 400-500°C leaving an inert, non-flammable and electrically non-conductive residue.

It is made of fine cellular construction composed mainly of non-interconnecting cells and is normally an off-white colour.

Physical Properties

Compression Stress @ 40% kPa	90±20	BS443 Part 1 Method 5B
------------------------------	-------	------------------------

Compression Set 150°C for 70 hours, Recovery period 48 hours 25% compression	6%	BS4443 Part 1 Method 6A
---	----	-------------------------

Resistance to heat ageing (after 168 hours at 150°C)

Compression Stress @ 40% kPa	90±20	BS443 Part 1 Method 5B
------------------------------	-------	------------------------

Compression Set 150°C for 70 hours, Recovery period 48 hours 25% compression	5%	BS4443 Part 1 Method 6A
---	----	-------------------------

