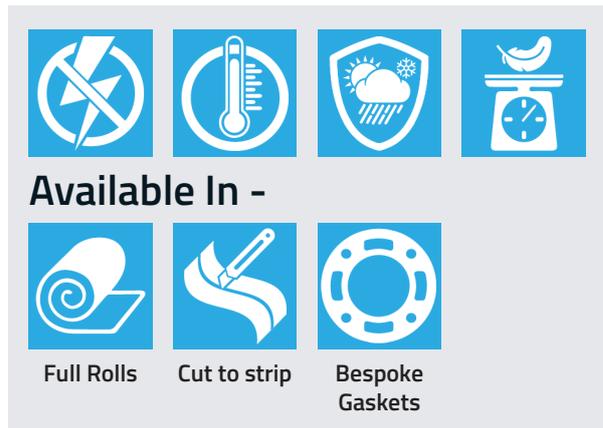


Thermally Conductive Silicone Sponge Datasheet

Product Code: RC02101-TC

Product Description

Our thermally conductive silicone sponge is a highly versatile product, offering excellent thermal conductivity along with electrical isolation. Using a sponge rubber ensures that our product is able to conform to even the most uneven surfaces. This ensures that our thermally conductive silicone sponge provides excellent sealing properties at all times.



Available In -

- Full Rolls
- Cut to strip
- Bespoke Gaskets

Technical Specification

| Properties | Test Method | Values |
|------------------------|-------------|---------------------------|
| Compound | - | VMQ |
| Density | ASTM D297 | 0.040 lbs/in ³ |
| Tensile Strength | ASTM D412 | 120 PSI |
| Elongation at Break | ASTM D412 | 150% |
| Dielectric Strength | ASTM D149 | 100 volts/mil |
| Thermal Conductivity | | |
| Contact Compression | ASTM E1530 | 0.30 W/mK |
| 10% Compression | | 0.40 W/mK |
| 25% Compression | | 0.45 W/mK |
| 50% Compression | | 0.65 W/mK |
| Thermal Impedance | | |
| Contact Compression | ASTM E1530 | 6.0°C in.2.W |
| 10% Compression | | 4.5°C in.2.W |
| 25% Compression | | 2.5°C in.2.W |
| 50% Compression | | 1.0°C in.2.W |
| Compression Set | ASTM D1056 | 15% |
| Compression Deflection | ASTM D1056 | 20 PSI |
| Minimum Temperature | - | -62 °C |
| Maximum Temperature | - | +204 °C |

The information contained on this product information sheet is to be used as guidance. The advice is given in good faith and does not constitute any guarantee or recommendation for suitability. The Rubber Company cannot be held liable for any damage caused by incorrect installation. We hereby reserve the right to change the technical information herewith without notification or prior agreement.