

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.