

'HTM' Thermally Conductive Silicone Sponge

J-Flex 'HTM' Thermally Conductive Silicone Sponge is ideal for gaskets and pads, where compressibility and good heat transfer is required.

Thermal conductivity is provided by the addition of fillers, such as ceramic or boron nitride particles, to premium grade expanded closed cell silicone sponge.

Uses:

- Used to cool heat generating electronic components by transferring heat to heat sinks and metal housings for dissipation.
- Used to deliver heat for heat sealing and hot stamping applications used in the packaging of food products and drugs.
- Used to heat seal small plastic containers - the base silicone rubber compound resists sticking to melted plastics and most hot melt adhesives, providing a release surface.

Temperature Range:

-40°C to +200°C continuous

Availability:

- From 3mm to 40mm thicknesses.
- In sheets 1000mm x 1000mm square (though some special sheet sizes can be supplied - please ask).
- Available with smooth or fabric impression surface finish.
- Available with or without our high temperature adhesive backing.
- Die cut pieces and heat transfer pads can be supplied to order.

PROPERTY	TYPICAL VALUE	TEST METHOD
Compound Ref:	JF/HTM/Sponge	Norm
Density	0.4/0.45 gr/m ³	DIN 53479
Tensile	3.5 MPa	DIN 53504
Elongation @ Break	250%	DIN 53504
Temperature Range	-40°C to +200°C continuous	
Colour	Light Green	
Thermal Conductivity	Mean average after test = 0.0695W / (m.k.)	

The material was tested in accordance with BS874: Appendix C : 1973, by the heatflow meter method and expressed in 'SI' units. Tests carried out @ 123°C (mean temperature).

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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