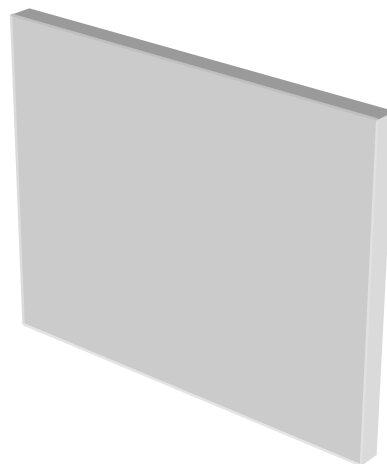


TM-KHC2 Thermally Conductive Gap Filler

TM-KHC2 is a soft silicone interface material with a good thermal conductivity and very high dielectric strength. Through its very high softness and flexibility the material perfectly mates to irregular surface thus filling gaps at very low pressure. Available with or without adhesive.



Properties

- Very good thermal contact
- Outstanding mechanic stability
- Extraordinary chemical resistance and long-term stability
- Residue-free removal after use

Availability

- Sheet of 200 mm x 400mm
- Die cut parts
- Kiss cut parts on sheet

Application Examples

- Thermal link of :
- MOSFETs or IGBTs
 - Power diodes or AC/DC converters
 - Power modules

- For use in :
- Switch mode power supplies
 - Motor control units
 - Automotive engine management systems
 - UPS units
 - Solar systems
 - Led Light



Technical Data

Part	TM-KHC2-XXX	TM-KHC2-XXX/A (with adhesive)
Material	Silicone	Silicone
Colour	Gray	Gray
Specific Gravity [g/cc]	1.9	1.9
Tensile strength [Kg/cm ²]	8	8
Thickness [mm]	0.5 mm, 1 mm, 2 mm, 3 mm, 4 mm, 5 mm	
Hardness [shore 00]	30	30
UL Flammability [UL 94]	V0	V0
RoHS Conformity [2002/95/EC]	Yes	Yes
Thermal Conductivity [W/mK]	2.4	1.5
Operating Temperature Range [°C]	- 40 to +170	- 40 to +170
Breakdown Voltage [kV/mm]	> 5	> 5
Volume Resistivity [Ohm-cm]	1.0 x 10 ¹¹	1.0 x 10 ¹¹

Create the Part Number

In order to select the right thickness it is necessary to insert 3 numbers as follows:

TM-KHC2-050 for 0.50 mm thickness
TM-KHC2-100 for 1.00 mm thickness
TM-KHC2-200 for 2.00 mm thickness
TM-KHC2-300 for 3.00 mm thickness
TM-KHC2-400 for 4.00 mm thickness
TM-KHC2-500 for 5.00 mm thickness

TM-KHC2-050/A for 0.50 mm thickness
TM-KHC2-100/A for 1.00 mm thickness
TM-KHC2-200/A for 2.00 mm thickness
TM-KHC2-300/A for 3.00 mm thickness
TM-KHC2-400/A for 4.00 mm thickness
TM-KHC2-500/A for 5.00 mm thickness

Upon request it is possible to have also the intermediate thicknesses (1.5 mm, 2.5 mm, 3.5 mm, 4.5 mm)