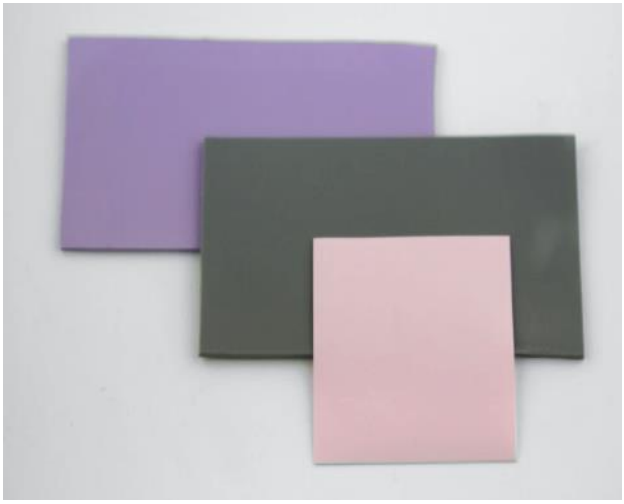
GAP PADS
TCGF-SERIES 2,0 W/m*K

Thermally conductive gap fillers offer, besides excellent thermal properties, the ability to even out small, medium and big gaps and tolerances between the component (hot spot) and the cooling device.

Gap fillers are based on silicone and are filled with ceramic particles. They are tacky by nature. This can be single- or double sided. The use of an adhesive tape is not necessary in most cases. Anyway a single- or double-sided adhesive is available on request.

- **Thermal conductivity: 2,0 W/m*K**
- **Available in 400x300 mm standard sheet size, other dimensions and die-cut parts on request**
- **Available in thicknesses from 0,15 to 10,00 mm**
- **Naturally both side tacky as standard, other options available**
- **Adhesive tape on request**
- **Based on silicone filled with ceramic particles**



RoHS ✓ REACH ✓ UL 94

PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
Composition	Silicone elastomer	-
Thermal conductivity	2,0 W/m*K	ASTM D5470
Hardness	20 – 60 Shore 00	ASTM D2240
Density	2,5 g/cm³	ASTM D792
Flammability rating	V-0	UL 94, E360243
Volume resistivity	0,298*10^{13}Ω*cm	ASTM D257
Breakdown voltage	>5 kV/mm	ASTM D149
Dielectric constant	4,9	ASTM D150
Temperature range	-40 – 200 °C	-
Tensile strength	0,19 MPa	ASTM D412
Thickness range (T)	0,15 – 10,0 mm	-
Standard sheet size (LxW)	400x300 mm	Caliper

Please note: Picture only shows an example of different gap pads.

GAP PADS
TCGF-SERIES 2,0 W/m*K

BUILDING AN ITEM NUMBER

TCGF-2,0 Sxx #-LxWxT-XXX-YYY-ZZ

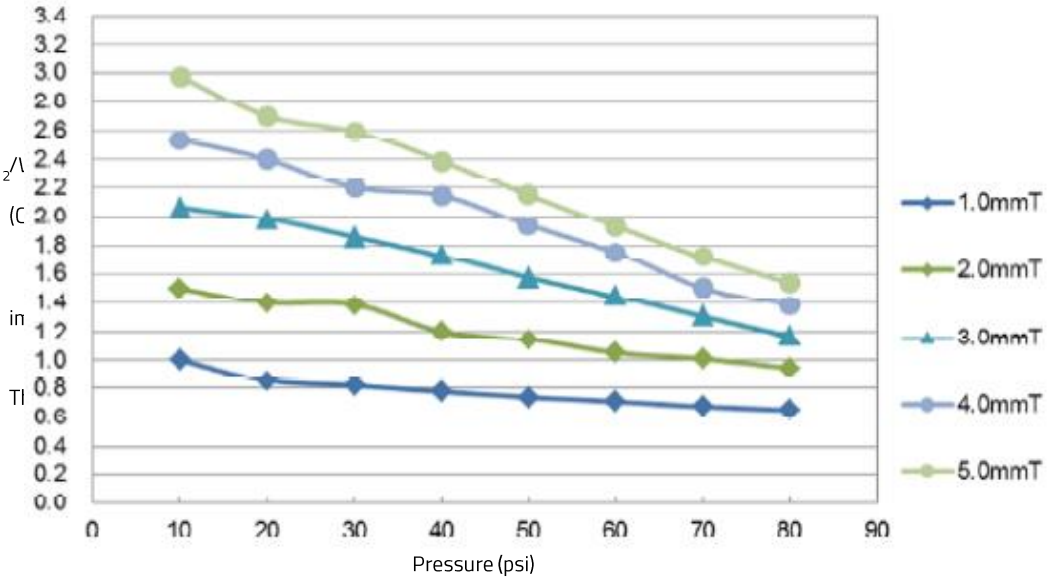
Thermally Conductive Gap Filler	
Thermal conductivity	
xx	Hardness (Shore 00)
F	Fiberglass reinforced
X	Not reinforced
xxx	Length (mm)
xxx	Width (mm)
xxx	Thickness (mm)
BNT	Both sides non-tacky
SST	One side tacky, one side non-tacky
BST	Both sides tacky
SAN	One side adhesive, one side non-tacky
SAT	One side adhesive, one side tacky
BSA	Both sides adhesive
DST	Die-cut parts
KCT	Kiss-cut parts
E1	ESD foil (single side)
E2	ESD foil (both sides)

Standard options

EXAMPLE

TCGF-2,0 S20 F-35x17x5-BST-DST-E1
Thermally conductive gap filler; thermal conductivity: 2,0 W/m*K; hardness: 20 Shore 00; fiberglass reinforced; size: 35x17 mm; thickness: 5 mm; both sides tacky; die-cut; ESD foil (single side)

THERMAL IMPEDANCE VS. PRESSURE (@40 Shore 00)



DEFLECTION (@40 Shore 00)