

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.

The basic material of non-silicone gap fillers is Acrylic. Non-silicone gap fillers are tacky by nature for easy application. 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: 3,0 W/m*K
- Available in 300x200 mm standard sheet size, other dimensions and die-cut parts on request
- Available in thicknesses from 0,5 to 10,0 mm
- Naturally tacky for easy application
- Low thermal resistance at low pressure
- Non-silicone and no oil bleeding issue



RoHS



REACH



UL 94



c US

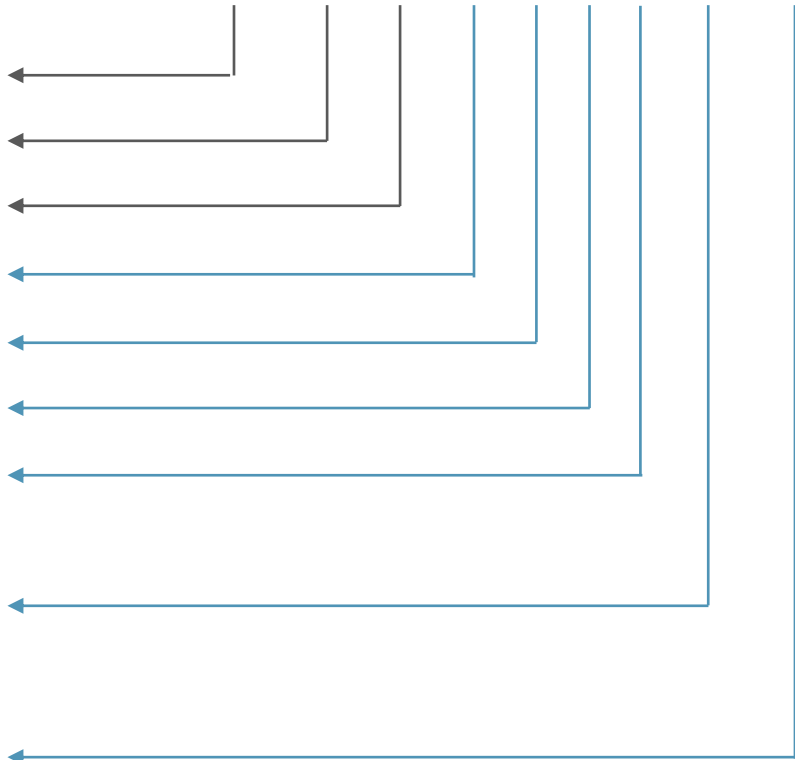
PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
THERMAL		
Thermal conductivity	3,0 W/m*K	ASTM D5470
ELECTRICAL		
Breakdown voltage	>10 kV/mm	ASTM D149
Volume resistivity	2,1x10 ¹³ Ω-cm	ASTM D257
PHYSICAL		
Composition	Acrylic elastomer	-
Hardness	30 - 60 Shore 00	ASTM D2240
Gravity	2,98 g/cm ³	ASTM D792
Thickness range	0,5 - 10,0 mm	-
Standard sheet size	300x200mm	-
Working temperature	-40 - 125 °C	EN344
Flammability rating	V-0	UL 94
Dielectric constant	12,6 MHz	ASTM D150

BUILDING AN ITEM NUMBER

TCGF-SF-3,0 Sxx-LxWxT-XXX-YYY

Thermally Conductive Gap Filler	
Silicone free	
Thermal conductivity	
xx	Hardness (Shore 00)
L	Length (mm)
W	Width (mm)
T	Thickness (mm)
BST	Both sides tacky
SAT	One side adhesive, one side tacky
BSA	Both sides adhesive
DST	Die-cut parts
KCT	Kiss-cut parts



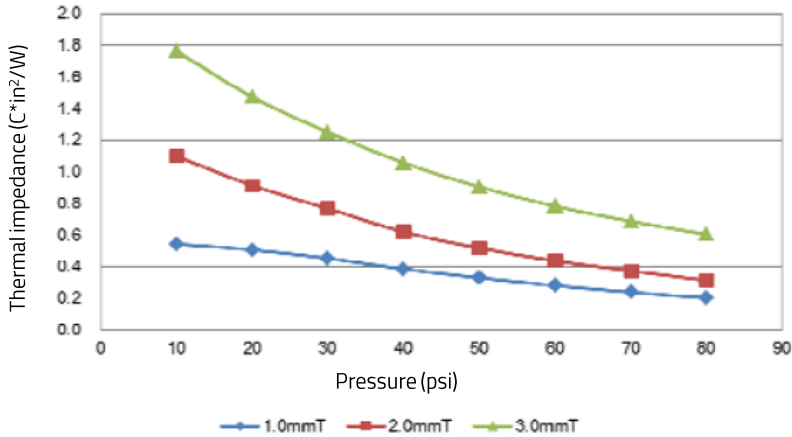
Standard options

EXAMPLE

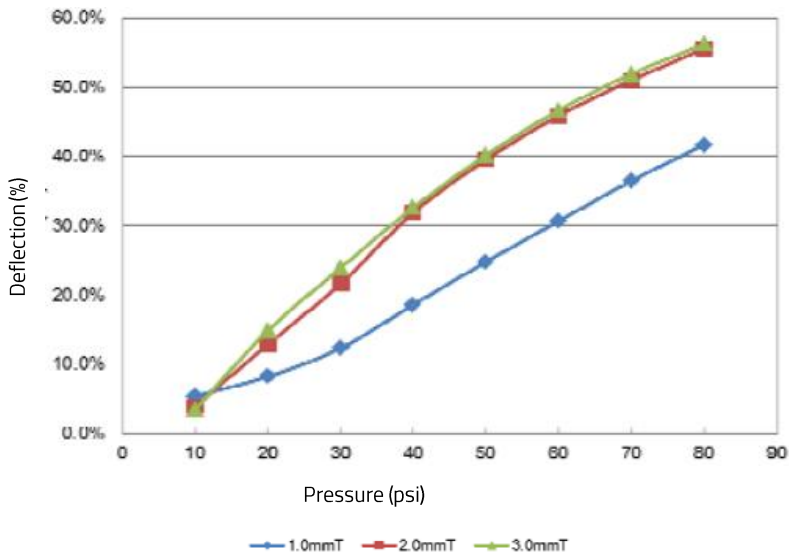
TCGF-SF-3,0 S45-300x200x2-SAT-DST

Non-silicone thermally conductive gap filler; thermal conductivity: 3,0 W/m*K; hardness: 45 Shore 00; size: 300x200 mm; thickness: 2 mm; one side adhesive, one side tacky; die-cut parts

THERMAL IMPEDANCE VS. PRESSURE



DEFLECTION



TOLERANCES

THICKNESS		WIDTH AND HEIGHT	
0 – 0,50 mm	+/- 0,05 mm	0 – 50 mm	+/- 0,5 mm
0,60 – 15 mm	+/- 10%	> 50 mm	+/- 1,0 mm

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