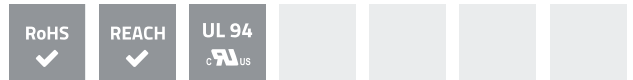


Thermally conductive gap fillers offer, besides excellent thermal properties, the ability to even out small, medium and big gaps and tolerances between the component (hot spot) and the cooling device.

Gap fillers are based on silicone and are filled with ceramic particles. They are tacky by nature. The 5 Shore 00 gap fillers are single side tacky. Thus the use of an adhesive tape is not necessary.

- Thermal conductivity: 1,0 W/m*K
- Available in 297x210 mm standard sheet size, other dimensions and die-cut parts on request
- Available in thicknesses from 0,5 to 5,0 mm
- One side tacky, one side non tacky
- Fiberglass reinforced as standard
- Based on silicone filled with ceramic particles



PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
THERMAL		
Thermal conductivity	1,0 W/m*K	ASTM E1530
ELECTRICAL		
Breakdown voltage	>10000V	ASTM D149
Volume resistivity	2,2*10 ¹³ Ω*cm	ASTM D257
PHYSICAL		
Composition	Silicone elastomer	-
Hardness	5 Shore 00	ASTM D2240
Gravity	1,76 g/cm ³	ASTM D792
Thickness range	0,1 – 18,0 mm	ASTM D374
Standard sheet size	297x210mm	Caliper
Working temperature	-40 – 200 °C	-
Flammability rating	V-0	UL 94 E360243
Total mass loss (TML)	< 0,5% @ 24 h / 125°C vakuum	ASTM E595- 15

BUILDING AN ITEM NUMBER

TCGF- 1,0 S5 F- LxWxT- SST-YYY-ZZ

Thermally Conductive Gap Filler

Thermal conductivity

Hardness (Shore 00)

Fiberglass reinforced

xxx	Length (mm)
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xxx	Width (mm)
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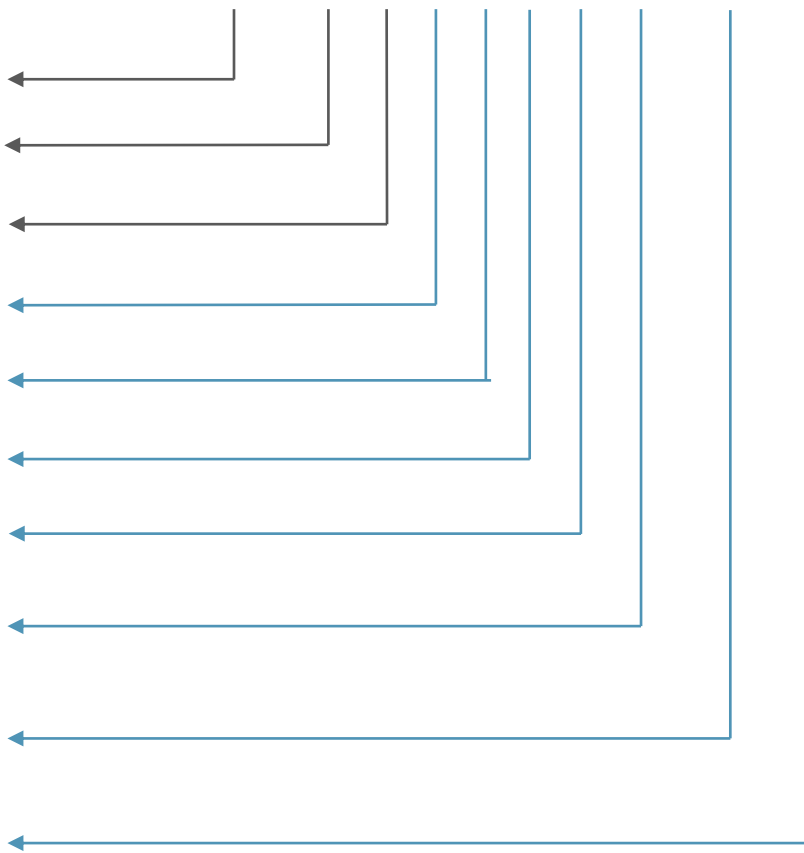
xxx	Thickness (mm)
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SST	One side tacky, one side non-tacky
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DST	Die-cut parts
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KCT	Kiss-cut parts
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E1	ESD foil (single side)
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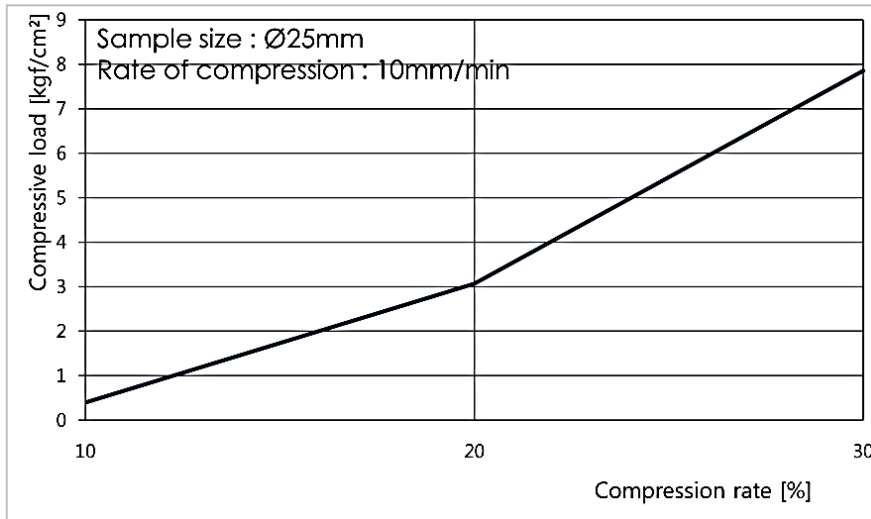
Standard options

EXAMPLE

TCGF-1,0 S5 F-35x17x5-SST-DST-E1

Thermally conductive gap filler; thermal conductivity: 1,0 W/m*K; hardness: 5 Shore 00; fiberglass reinforced; size: 35x17 mm; thickness: 5 mm; one side tacky, one side non tacky; die-cut; ESD foil (single side)

COMPRESSIBILITY



Rate of compression	10 %	20 %	30 %
Value (kgf/cm ²)	0,40	3,07	7,85

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