

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



RoHS



REACH



UL 94



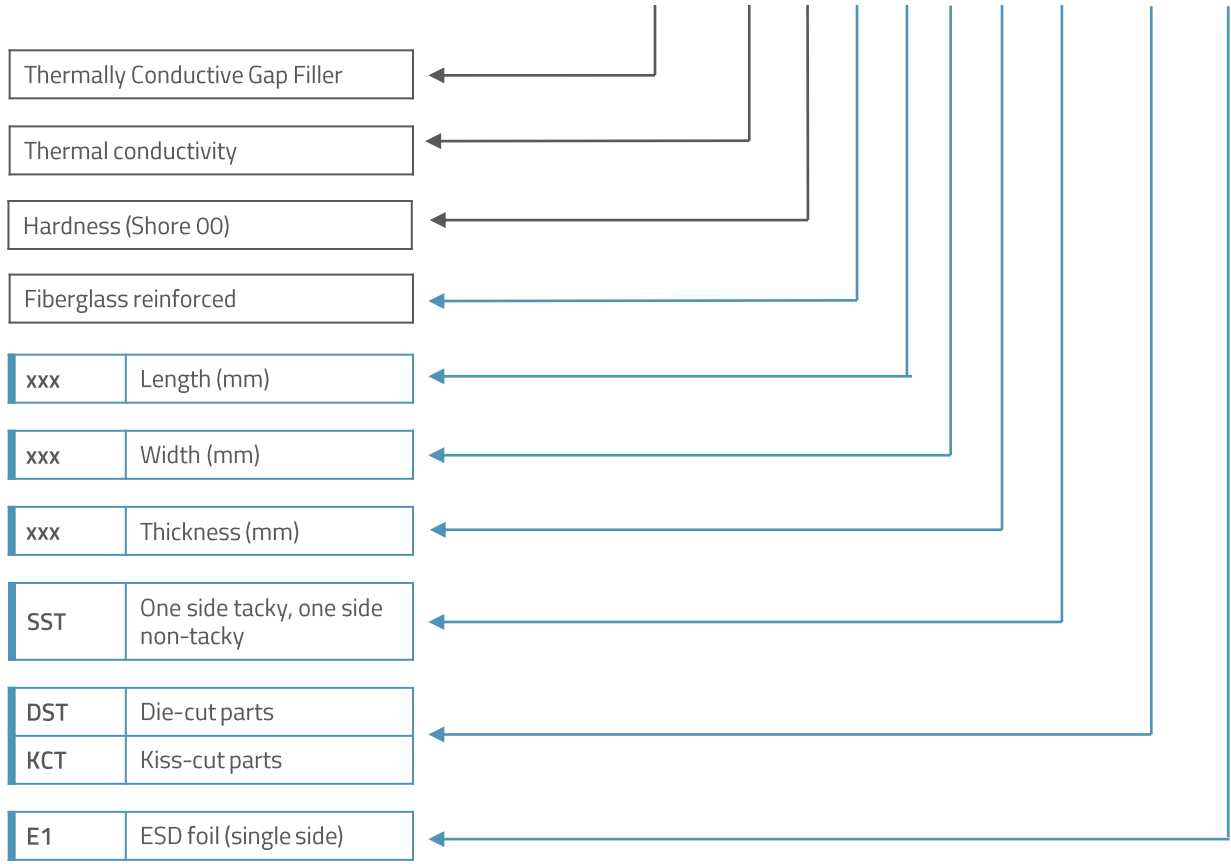
PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
Composition	Silicone filled with ceramic particles	-
Thermal conductivity	1,0 W/m*K	ASTM E1530
Hardness	5 Shore 00 ± 10 %	ASTM D2240
Flammability rating	V-0	UL 94, E360243
Volume resistivity	10 ¹³ Ω*cm	ASTM D257
Dielectric breakdown voltage	>10 kV/mm	ASTM D149
Working temperature range	-50 – 200 °C	-
Specific gravity	1,6 g/cm ³	ASTM D792
Thickness range (T)	0,5 – 5,0 mm	ASTM D374
Standard sheet size (LxW)	297x210 mm	Caliper
Total mass loss (TML)	< 0,5% @ 24 h / 125°C vakuum	ASTM E595-15

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

BUILDING AN ITEM NUMBER

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



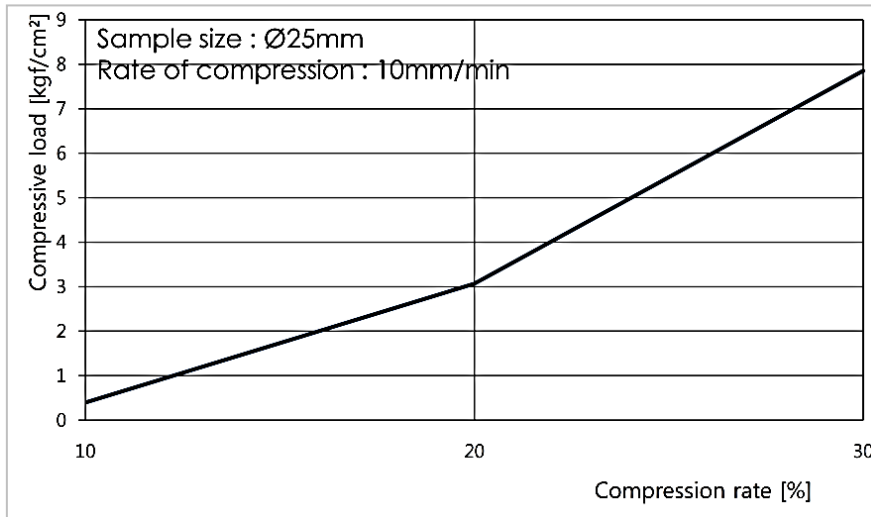
Standard options

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

STANDARD THICKNESSES (mm)

0,5 | 1,0 | 1,5 | 2,0 | 2,5 | 3,2 | 4,0 | 5,0

CONFIGURATIONS AVAILABLE

Standard sheet size: 297x210 | Available with or without ESD foil | Custom die-cut parts available

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