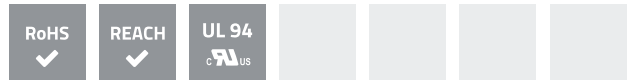


Thermally conductive gap fillers offer, besides excellent thermal properties, the ability to even out small, medium and big gaps and tolerances between the component (hot spot) and the cooling device.

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: 2,5 W/m*K
- Available in 400x300 mm standard sheet size, other dimensions and die-cut parts on request
- Available in thicknesses from 0,2 to 10,0 mm
- Naturally both side tacky as standard, other options available
- Adhesive tape on request
- Based on silicone filled with ceramic particles



PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
Composition	Silicone elastomer	-
Thermal conductivity	2,5 W/m*K	ASTM D5470
Hardness	20 – 60 Shore 00	ASTM D2240
Density	2,65 g/cm ³	ASTM D792
Flammability rating	V-0	UL 94, E360243
Volume resistivity	4,5*10 ¹² Ω cm	ASTM D257
Breakdown voltage	>3 kV/mm (<0,5 mm) >5 kV/mm (>0,5 mm)	ASTM D149
Dielectric constant	7,2	ASTM D150
Temperature range	-40 – +200 °C	-
Tensile strength	0,22 MPa	ASTM D412
Thickness range (T)	0,2 – 10,0 mm	-
Standard sheet size (LxW)	400x300 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-2,5 Sxx #-LxWxT-XXX-YYY-ZZ

Thermally Conductive Gap Filler

Thermal conductivity

xx	Hardness (Shore 00)
----	---------------------

F	Fiberglass reinforced
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X	Not reinforced
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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
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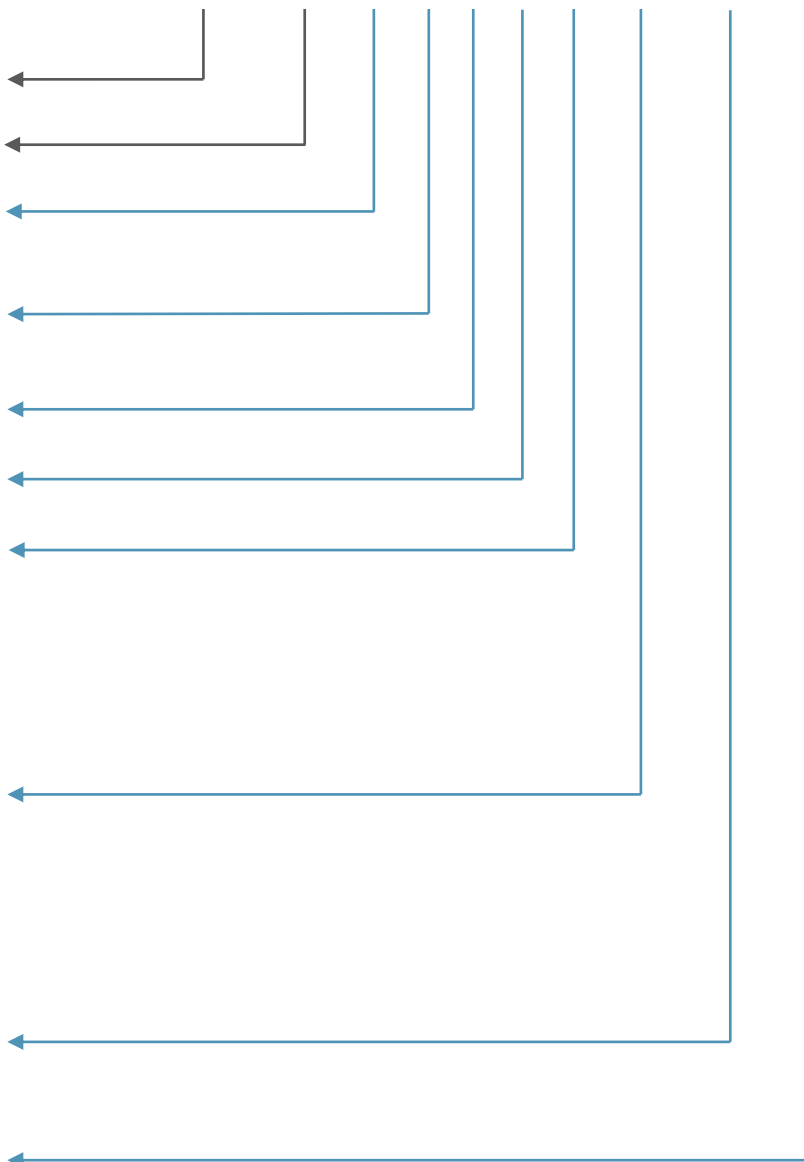
BSA	Both sides adhesive
-----	---------------------

DST	Die-cut parts
-----	---------------

KCT	Kiss-cut parts
-----	----------------

E1	ESD foil (single side)
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E2	ESD foil (both sides)
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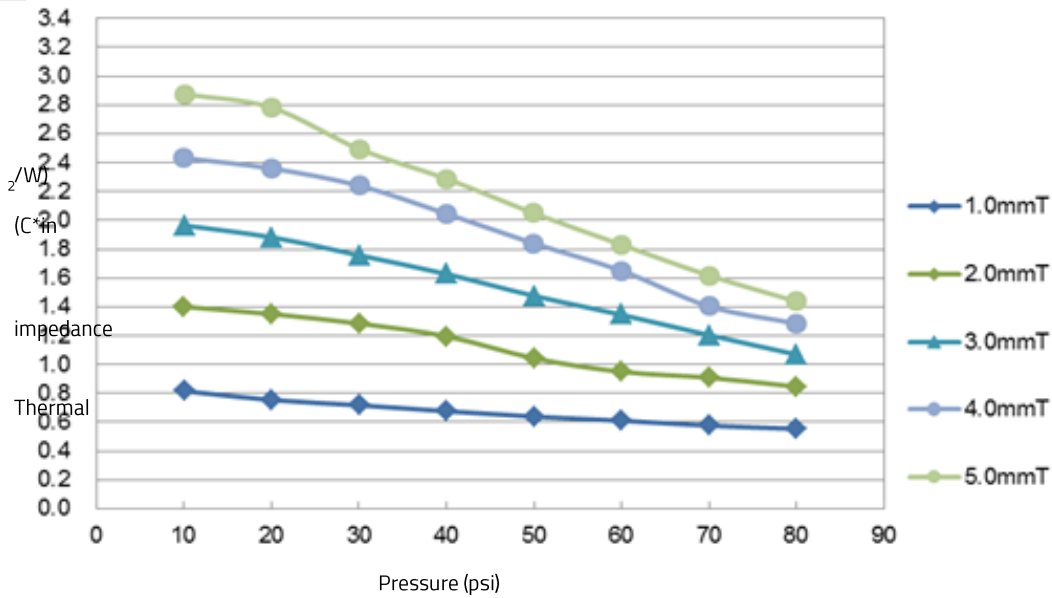
Standard options

EXAMPLE

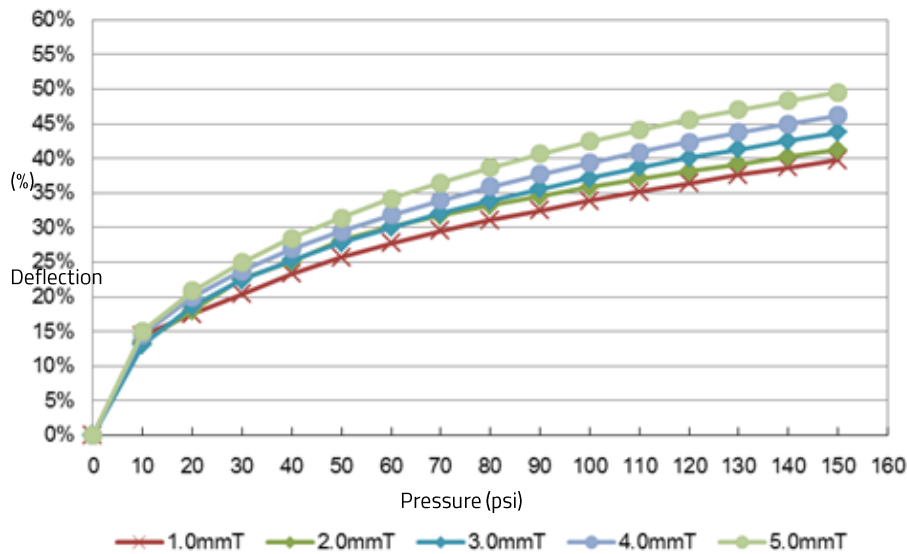
TCGF-2,5S60F-35x17x6-BST-DST-E1

Thermally conductive gap filler; thermal conductivity: 2,5 W/m*K; hardness: 60 Shore 00; fiberglass reinforced; size: 35x17 mm; thickness: 6 mm; both sides tacky; die-cut; ESD foil (single side)

THERMAL IMPEDANCE VS. PRESSURE (@40 Shore 00)



DEFLECTION (@40 Shore 00)



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

Modifications and errors excepted. The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verifications and testings to determine the suitability for their own particular purpose of any information or products referred to herein.