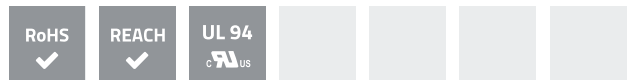


Thermally conductive gap fillers offer, besides excellent thermal properties, the ability to even out small, medium and big gaps and tolerances between the component (hot spot) and the cooling device.

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: 7,0 W/m*K
- Low isolation
- Available in 297x210 mm standard sheet size, other dimensions and die-cut parts on request
- Available in thicknesses from 0,3 to 10,0 mm
- Naturally both side tacky as standard, other options available
- Adhesive tape on request
- Based on filled silicone



PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
THERMAL		
Thermal conductivity	7,0 W/m*K	ASTM D5470
ELECTRICAL		
Breakdown voltage	< 100 V/mm	ASTM D149
Volume resistivity	4,74*10 ¹³ Ωcm	-
PHYSICAL		
Composition	Filled silicone elastomer	-
Hardness	50 – 70 Shore 00 ± 10 %	ASTM D2240
Gravity	2,7 g/cm ³	-
Thickness range	0,3 – 10,0 mm ± 10 %	ASTM D374
Standard sheet size	297x210mm	-
Working temperature	-40 – 200 °C	-
Flammability rating	V-0	UL 94 E360243
Tensile strength	27,6 N/cm ²	ASTM D412
Color	Grey	Visual

BUILDING AN ITEM NUMBER

TCGF-7,0 Sxx #-LI-LxWxT-XXX-YYY-ZZ

Thermally Conductive Gap Filler

Thermal conductivity

xx	Hardness (Shore 00)
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F	Fiberglass reinforced
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X	Not reinforced
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Low isolation

xxx	Length (mm)
-----	-------------

xxx	Width (mm)
-----	------------

xxx	Thickness (mm)
-----	----------------

BNT	Both sides non-tacky
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SST	One side tacky, one side non-tacky
-----	------------------------------------

BST	Both sides tacky
-----	------------------

SAN	One side adhesive, one side non-tacky
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SAT	One side adhesive, one side tacky
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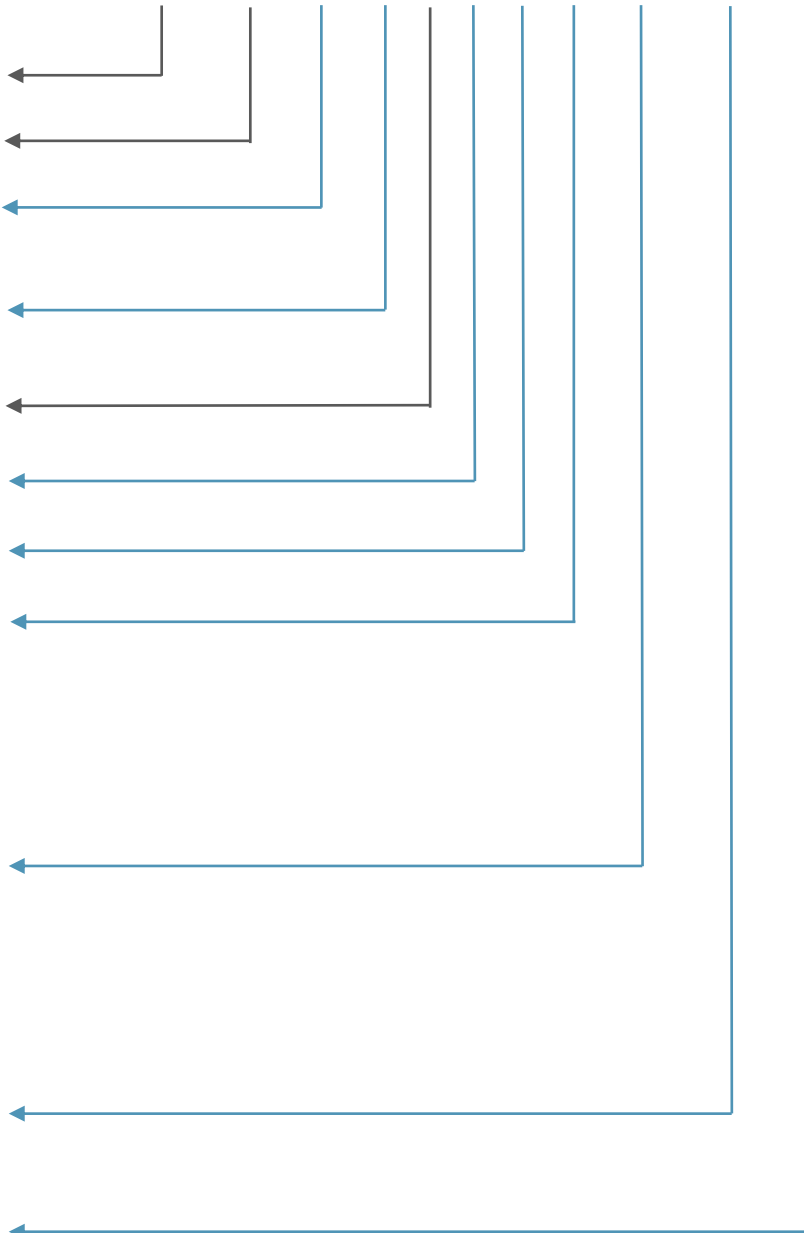
BSA	Both sides adhesive
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DST	Die-cut parts
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KCT	Kiss-cut parts
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E1	ESD foil (single side)
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E2	ESD foil (both sides)
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Standard options

EXAMPLE

TCGF-7,0S50 F-LI-35x17x5-BST-DST-E1

Thermally conductive gap filler; thermal conductivity: 7,0 W/m*K; low isolation; hardness: 50 Shore 00; fiberglass reinforced; size: 35x17 mm; thickness: 5 mm; both sides tacky; die-cut; ESD foil (single side)

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.