

One component gap filler is a high performance thermally conductive compound that will not dry out. It has low viscosity for easy and neat application and can be used for applications involving auto-dispensing equipment or stencil screen-printing.

The thermally conductive putty is halogen-free and offers extra reassurance in applications where hazardous substances are forbidden.

- Thermal conductivity: 3,5 W/m*K
- Suitable for auto-dispensing and screen printing applications
- Easy to apply
- Never dries out
- Cost effective
- Halogen-free
- Also available with glass balls as spacer



RoHS



REACH



PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
Composition	Filled silicone elastomer	-
Thermal conductivity	3,5 W/m*K	ASTM D5470
Flow rate, 30cc syringe with no tip attachment 0,100" orifice, 90psi*	20g/min ± 4	-
Density	3,3 g/cm ³	-
Temperature range	-55 – 200 °C	-
Breakdown voltage	8 kV/mm	ASTM D149
Volume resistivity	10 ¹³ Ω-cm	ASTM D257
Minimum bond line thickness	0,1 mm	-
Colour	Multi-colour	-
Flammability rating	V-0	UL 94, internal test**
Shelf life°	18 months	-
Order quantity	30, 50, 150 and 300 cc syringes	-
Glass balls	Available on request	-

°From date of receipt by the customer when stored at 23°C / 60%rH

*Can be adapted to customer's needs

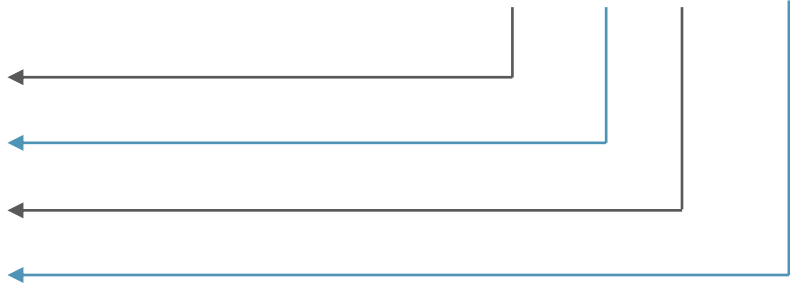
** Internal test according to UL94 – no listing

Please note: Picture only shows an example of an one component gap filler.

BUILDING AN ITEM NUMBER

TCTP-XX-3,5-XXX

Thermally Conductive Putty	
GB	With 0,1 mm glass balls
Thermal conductivity	
XXXX	Order quantity (cc)



Standard options

EXAMPLE

TCTP-GB-3,0-150

Thermally conductive putty; with glass balls, thermal conductivity: 3,5 W/m*K; order quantity: 150 cc

POSSIBLE ORDER QUANTITIES

- Available in 30 cc, 50 cc, 150 cc and 300 cc syringes

OUTGASSING TEST according to ASTM E595-15

DETERMINATION	TEST VALUES	REQUIREMENTS	RESULTS
Total mass loss (% TML)	0,076	1,00 (max.)	Complies
Collected volatile condensable materials (% CVCM)	0,017	0,10 (max.)	Complies
Water vapor regain (% WVR)	0,002	Not specified	Information only

ONE COMPONENT GAP FILLER

TCTP-SERIES silicone free 3,0 W/m*K

One component gap filler is a silicone free high performance thermally conductive compound that will not dry out. It has low viscosity for easy and neat application and can be used for applications involving auto-dispensing equipment.

The thermally conductive putty is halogen free and offers extra reassurance in applications where hazardous substances are forbidden.

- Thermal conductivity: 3,0 W/m*K
- Silicone free
- Suitable for auto-dispensing
- Easy to apply
- Never dries out
- Good compressibility
- Natural tacky and low contact resistance
- Also available with glass balls as spacer



PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
Composition	Non-silicone material	-
Thermal conductivity	3,0 W/m*K	ASTM D5470
Flow rate, 30cc syringe with no tip attachment 0,100" orifice, 90psi	30g/min	-
Density	3,3 g/cm ³	-
Temperature range	-40 – 130 °C	-
Breakdown voltage	>5 kV/mm	ASTM D149
Volume resistivity	10 ¹³ Ω-cm	ASTM D257
Siloxane volatiles D4–D20	0 %	ASTM D150
Colour	Grey	-
Flammability rating	V-0	UL 94, internal test**
Shelf life, months from date of manufacture*	12 months	-
Order quantity	30, 50, 150 and 300 cc syringes	-
Glass balls	Available on request	-

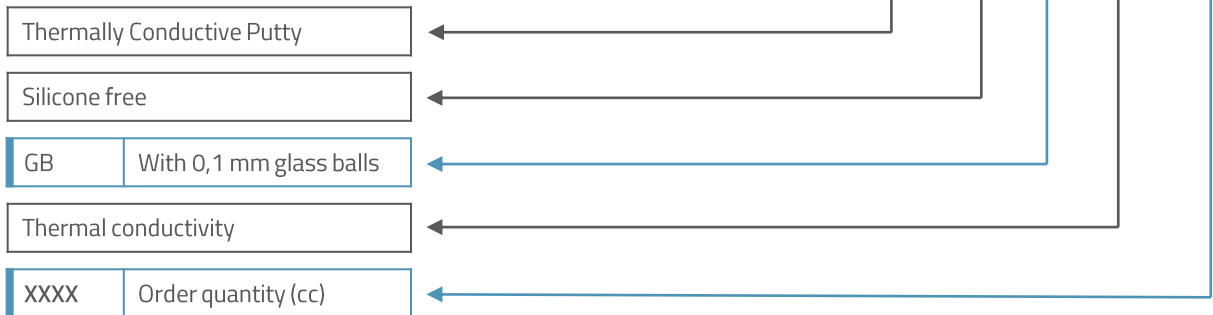
* When stored at 23°C / 60% rH

** Internal test according to UL94 – no listing

Please note: Picture only shows an example of an one component gap filler.

BUILDING AN ITEM NUMBER

TCTP-SF-XX-3,0-XXX



Standard options

EXAMPLE

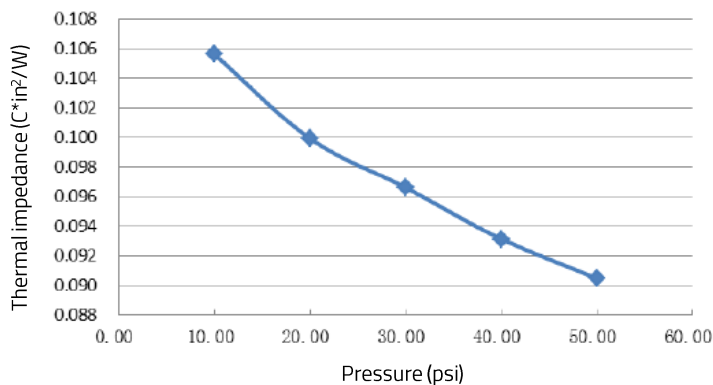
TCTP-SF-GB-3,0-150

Thermally conductive putty; silicone free; with glass balls, thermal conductivity: 3,0 W/m*K; order quantity: 150 cc

POSSIBLE ORDER QUANTITIES

- Available in 30 cc, 50 cc, 150 cc and 300 cc syringes

THERMAL IMPEDANCE VS. PRESSURE



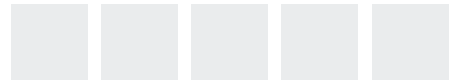
ONE COMPONENT GAP FILLER

TCTP-SERIES silicone free 5,0 W/m*K

One component gap filler is a silicone free high performance thermally conductive compound that will not dry out. It has low viscosity for easy and neat application and can be used for applications involving auto-dispensing equipment.

The thermally conductive putty is halogen free and offers extra reassurance in applications where hazardous substances are forbidden.

- Thermal conductivity: 5,0 W/m*K
- Silicone free
- Suitable for auto-dispensing
- Easy to apply
- Never dries out
- Good compressibility
- Natural tacky and low contact resistance
- Also available with glass balls as spacer



PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
Composition	Non-silicone material	-
Thermal conductivity	5,0 W/m*K	ASTM D5470
Flow rate, 30cc syringe with no tip attachment 0,100" orifice, 90psi	10g/min	-
Density	3,5 g/cm ³	-
Temperature range	-40 – 130 °C	-
Breakdown voltage	>5 kV/mm	ASTM D149
Volume resistivity	10 ¹³ Ω-cm	ASTM D257
Siloxane volatiles D4–D20	0 %	ASTM D150
Colour	Grey	-
Flammability rating	V-0	UL 94, internal test**
Order quantity	30, 50, 150 and 300 cc syringes	-
Shelf life, months from date of manufacture*	12 months	-
Glass balls	Available on request	-

* When stored at 23°C / 60% rH

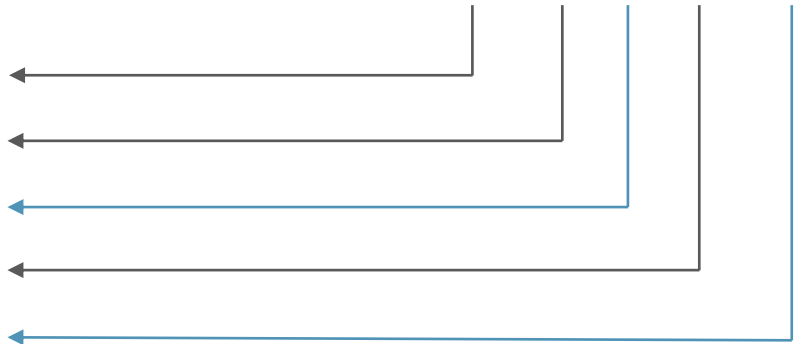
** Internal test according to UL94 – no listing

Please note: Picture only shows an example of an one component gap filler.

BUILDING AN ITEM NUMBER

TCTP-SF-XX-5,0-XXX

Thermally Conductive Putty	
Silicone free	
GB	With 0,1 mm glass balls
Thermal conductivity	
XXXX	Order quantity (cc)



Standard options

EXAMPLE

TCTP-SF-GB-5,0-150

Thermally conductive putty; silicone free; with glass balls thermal conductivity: 5,0 W/m*K; order quantity: 150 cc

POSSIBLE ORDER QUANTITIES

- Available in 30 cc, 50 cc, 150 cc and 300 cc syringes

Thermally conductive two components gap fillers offer an excellent thermal performance and a superior conformability. It is a two component liquid gap filler material, curing either at room or elevated temperature to speed up the curing process.

The pre-curing material possesses good thixotropic characteristics as well as low viscosity which is an ideal solution for dispensing. After curing, the mixture becomes a low modulus elastomer to relieve stresses during thermal cycling.

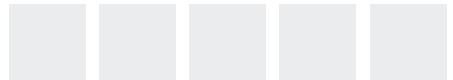
- Thermal conductivity: 1,8 W/m*K
- Easy to dispense
- Ultra-conforming for fragile and low stress applications
- Ambient or accelerated cure schedules in elevated temperature



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PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
Composition	Filled silicone elastomer	-
Thermal conductivity	1,8 W/m*K ± 10%	ASTM D5470
Hardness	60 Shore 00 ± 10%	ASTM D2240
Colour part A	White	Visual
Colour part B	Pink	Visual
Viscosity	70.000 cps ± 10%	-
Mix ratio	1:1	-
Density	1,8 g/cm ³ ± 10%	-
Temperature range	-40 – 180 °C	-
Dielectric strength	>8000 V/mm	ASTM D149
Volume resistivity	10 ¹⁰ Ω*cm	ASTM D257
Flammability rating	V-0	UL94, internal test**
Working time @ 25°C	180 min	120 min (2hrs)
Cure @ 25°C (h)	8 h	-
Cure @ 100°C (min)	10 min	-
Shelf life°	6 months	-

°From date of receipt by the customer when stored at 23°C / 60%rH

** Internal test according to UL94 – no listing

Please note: Picture only shows an example of a two component gap filler.

Thermally conductive two components gap fillers offer an excellent thermal performance and a superior conformability. It is a two component liquid gap filler material, curing either at room or elevated temperature to speed up the curing process.

The pre-curing material possesses good thixotropic characteristics as well as low viscosity which is an ideal solution for dispensing. After curing, the mixture becomes a low modulus elastomer to relieve stresses during thermal cycling.

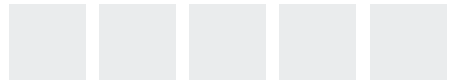
- Thermal conductivity: 2,0 W/m*K
- Easy to dispense
- Ultra-conforming for fragile and low stress applications
- Ambient or accelerated cure schedules in elevated temperature



RoHS



REACH



PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
Composition	Filled silicone elastomer	-
Thermal conductivity	2,0 W/m*K ± 10%	ASTM D5470
Hardness	55 - 60 Shore 00 ± 10%	ASTM D2240
Colour part A	White	Visual
Colour part B	Grey	Visual
Viscosity	80.000 cps ± 10%	-
Mix ratio	1:1	-
Density	2,4 g/cm ³ ± 10%	-
Temperature range	-40 – 180 °C	-
Dielectric strength	>8.000 V/mm	ASTM D149
Volume resistivity	10 ¹³ Ω*cm	ASTM D257
Flammability rating	V-0	UL94, internal test**
Working time @ 25°C	180 min	-
Cure @ 25°C (h)	8 h	-
Cure @ 100°C (min)	10 min	-
Shelf life°	6 months	-

°From date of receipt by the customer when stored at 23°C / 60%rH

** Internal test according to UL94 – no listing

Please note: Picture only shows an example of a two component gap filler.

Thermally conductive two components gap fillers offer an excellent thermal performance and a superior conformability. It is a two component liquid gap filler material, curing either at room or elevated temperature to speed up the curing process.

The pre-curing material possesses good thixotropic characteristics as well as low viscosity which is an ideal solution for dispensing. After curing, the mixture becomes a low modulus elastomer to relieve stresses during thermal cycling.

- Thermal conductivity: 3,0 W/m*K
- Easy to dispense
- Ultra-conforming for fragile and low stress applications
- Ambient or accelerated cure schedules in elevated temperature



RoHS



REACH



PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
Composition	Filled silicone elastomer	-
Thermal conductivity	3,0 W/m*K ± 10%	ASTM D5470
Hardness	55 - 60 Shore 00 ± 10%	ASTM D2240
Colour part A	White	Visual
Colour part B	Blue	Visual
Viscosity	80.000 cps ± 10%	-
Mix ratio	1:1	-
Density	3,2 g/cm ³ ± 10%	-
Temperature range	-40 – 180 °C	-
Dielectric strength	>8.000 V/mm	ASTM D149
Volume resistivity	10 ¹⁰ Ω*cm	ASTM D257
Flammability rating	V-0	UL94, internal test**
Working time @ 25°C	180 min	120 min (2hrs)
Cure @ 25°C (h)	8 h	-
Cure @ 100°C (min)	10 min	-
Shelf life°	6 months	-

°From date of receipt by the customer when stored at 23°C / 60%rH

** Internal test according to UL94 – no listing

Please note: Picture only shows an example of a two component gap filler.

Thermally conductive two components gap fillers offer an excellent thermal performance and a superior conformability. It is a two component liquid gap filler material, curing either at room or elevated temperature to speed up the curing process.

The pre-curing material possesses good thixotropic characteristics as well as low viscosity which is an ideal solution for dispensing. After curing, the mixture becomes a low modulus elastomer to relieve stresses during thermal cycling.

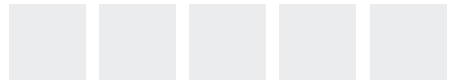
- Thermal conductivity: 4,0 W/m*K
- Easy to dispense
- Ultra-conforming for fragile and low stress applications
- Ambient or accelerated cure schedules in elevated temperature



RoHS



REACH



PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
Composition	Filled silicone elastomer	-
Thermal conductivity	4,0 W/m*K ± 10%	ASTM D5470
Hardness	55 - 60 Shore 00 ± 10%	ASTM D2240
Colour part A	White	Visual
Colour part B	Grey	Visual
Viscosity	115.000 cps ± 10%	-
Mix ratio	1:1	-
Density	3,3 g/cm ³ ± 10%	-
Temperature range	-40 – 180 °C	-
Dielectric strength	>8.000 V/mm	ASTM D149
Volume resistivity	10 ¹⁰ Ω*cm	ASTM D257
Flammability rating	V-0	UL94, internal test**
Working time @ 25°C	180 min	120 min (2hrs)
Cure @ 25°C (h)	8 h	-
Cure @ 100°C (min)	10 min	-
Shelf life°	6 months	-

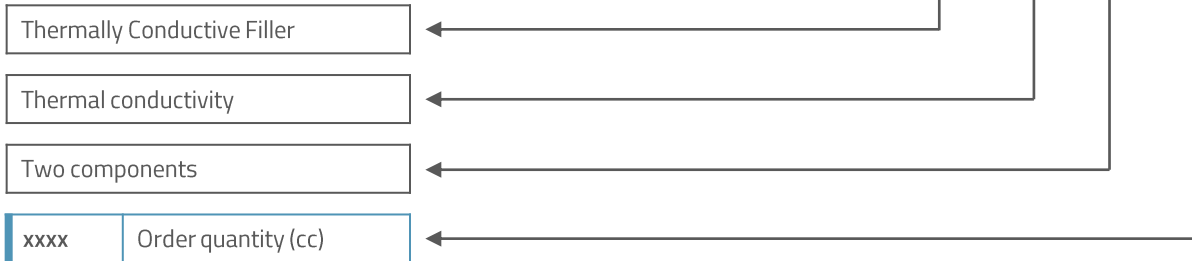
°From date of receipt by the customer when stored at 23°C / 60%rH

** Internal test according to UL94 – no listing

Please note: Picture only shows an example of a two component gap filler.

BUILDING AN ITEM NUMBER

TCTX-2,0-2C-XXXX



Standard options

EXAMPLE

TCTX-2,0 2C-400

Thermally conductive filler; thermal conductivity: 2,0 W/m^{*K};
two components, order quantity: 2x200cc twin syringe

POSSIBLE ORDER QUANTITIES

- Available in 50cc (2x25 cc twin syringe), 100cc (2x50 cc twin syringe), 400cc (2x200cc twin syringe) and 620cc (2x310 cc twin syringe)