TWO COMPONENTS GAP FILLER
TCTX-SERIES 3,0 W/m*K

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 ✓ UL 94

PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
THERMAL		
Thermal conductivity	3,0 W/m*K ± 10%	ASTM D5470
ELECTRICAL		
Dielectric strength	>8000 V/mm	ASTM D149
Volume resistivity	10^{13} Ω*cm	ASTM D257
PHYSICAL		
Composition	Filled silicone elastomer	-
Hardness	55– 60 Shore 00 ± 10%	ASTM D2240
Density	3,0 g/cm³ ± 10%	-
Viscosity	80.000 cps ± 10%	-
Shelf life	6 months	-
Working time @ 25°C	180 min	-
Flammability rating	V-0	UL 94
Cure @ 25°C (h)	8 h	-
Cure @ 100°C(min)	10min	-
Total mass loss TML	< 0,5% @ 24h / 125°C vakuum	ASTM E595- 15
Mix ratio	1:1	
Temperature range	-40 – 180°C	

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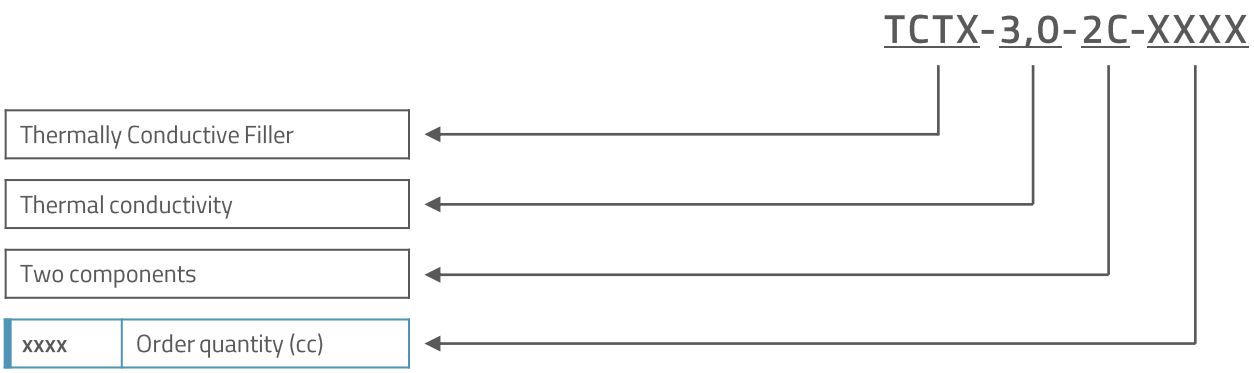
BUILDING AN ITEM NUMBER



Standard options

EXAMPLE

TCTX-3,0 2C-400
Thermally conductive filler; thermal conductivity: 3,0 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)