

TWO COMPONENTS GAP FILLER

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



PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
THERMAL		
Thermal conductivity	1,8 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	60 Shore 00 ± 10%	ASTM D2240
Density	1,8 g/cm³ ± 10%	-
Viscosity	70.000 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% @ 24 h / 125°C vakuum	ASTM E595- 15
Mix ratio	1:1	-
Temperature range	-40 -180 °C	-

BUILDING AN ITEM NUMBER

TCTX-1,8-2C-XXXX

Thermally Conductive Filler	
Thermal conductivity	
Two components	
xxxx	Order quantity (cc)



Standard options

EXAMPLE

TCTX-1,8 2C-400

Thermally conductive filler; thermal conductivity: 1,8 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)