

# 2-PART SILICONE GAP FILLER TDG-Z10-SI-2C HALA

dispensable / 2 parts / Low Volatile Siloxanes (LV) / Form-in-Place

TDG-Z10-SI-2C is a 2-part dispensable low volatile LV silicone gap filler which is filled with thermally conductive fillers. After curing under heat the system remains elastic. It is characterised by very good dielectric and mechanic properties and is suited for compensating extreme tolerances and spaces at non-coplanar systems. Its thixotropic behaviour allows for a definite placement and cure-in-place. It has a natural low level tack that enhances a good thermal contact. Due to its negligible and controlled volatile content it is suited for environments where volatile silicones are critical.



Release 03 / 2026

### PROPERTIES

- Dispensable 2-part silicone
- Low volatile siloxane content (LV)
- Thermal conductivity: 10.0 W/mK
- Remains elastic after polymerisation
- Zero stress on components
- Heat accelerated curing
- Shock absorbing

### AVAILABILITY

- Cartridges 2 x 25 ml / 2 x 200 ml / 2 x 600 ml
- Pail 2 x 25 kg

### APPLICATION EXAMPLES

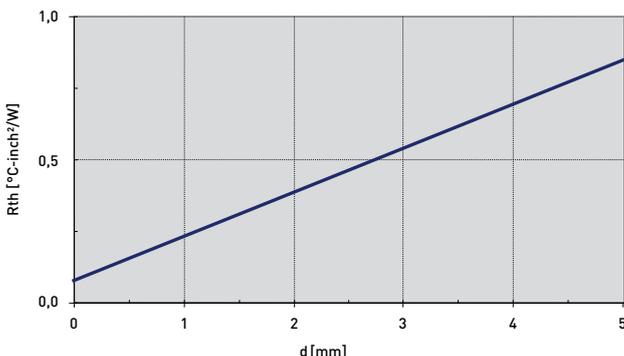
- Thermal link of:
- FPBGA
  - Capacitors
  - Heat Pipes
  - BGA
- For use in Automotive applications / Telecommunication / Multimedia / Industrial PCs

Technical Data Sheet

PROPERTY	UNIT	A PART	B PART
<b>MATERIAL</b>		Silicone	Silicone
Colour		Greenish Grey	Grey
Density @ 25 °C	g/cm <sup>3</sup>	3.30	3.30
Mixing Ratio	Weight or Volume	1 : 1	1 : 1
Hardness	Shore 00	50	50
Viscosity	Pas	180	160
Viscosity (mixed)	Pas	170	170
Pot Life @ 25 °C and 65 % RH (Time for viscosity to double)	Minutes	30 – 80	30 – 80
Curing Time @ 25 °C / 80 °C	Hours / Minutes	10 ± 2 / ≥ 30	10 ± 2 / ≥ 30
Shelf Life (from Date of Manufacturing, unopened, dry storage conditions @ -15 – 35 °C)	Months	6	6
Flammability	UL 94	V0	V0
RoHS Conformity	2015 / 863 / EU	Yes	Yes
<b>TECHNICAL</b>			
Thermal Conductivity <sup>1</sup>	W/mK	10	10
Operating Temperature	°C	- 40 to + 150	- 40 to + 150
Dielectric Strength	kV/mm	≥ 7	≥ 7
Volume Resistivity	Ohm - cm	≥ 1 x 10 <sup>12</sup>	≥ 1 x 10 <sup>12</sup>

Measurement technique according to: 'ASTM D 5470. All data without warranty and subject to change. Please contact us for further data and information.

Warning: Only A / B part of the same lot number may be processed together.



All technical data and information are without warranty and believed to be reliable and accurate, corresponding to the latest state of the art. Since the products are not provided to conform with mutually agreed specifications and their use and processing are unknown we cannot guarantee results, freedom from patent infringement, or their suitability for any application. Product testing by the applicant is recommended. We reserve the right of changes.