2-PART SILICONE GAP FILLER TDG-Z8-SI-2C

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

TDG-Z8-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 noncoplanar 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 09 / 2026

Technical Data Sheet

PROPERTIES

- Dispensable 2-part silicone
- Low volatile siloxane content (LV)
- Thermal conductivity: 8.0 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

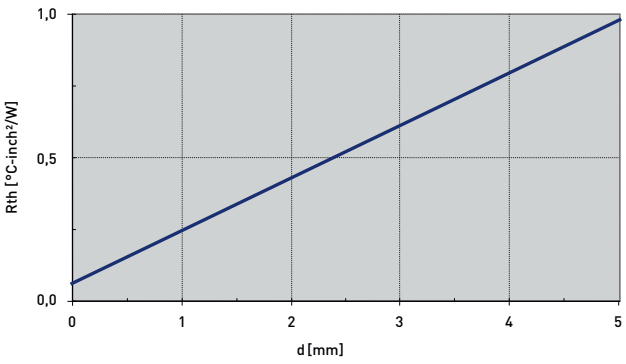
Thermal link of:

- FPBGA
- Capacitors
- Heat Pipes
- BGA

For use in Automotive applications / Telecommunication / Multimedia / Industrial PCs

PROPERTY	UNIT	A PART	B PART
MATERIAL		Silicone	Silicone
Colour		Blue	White
Density @ 25 °C	g/cm³	3.25	3.25
Mixing Ratio	Weight or Volume	1 : 1	1 : 1
Hardness	Shore 00	65	65
Viscosity	Pas	200	180
Viscosity (mixed)	Pas	190	190
Pot Life @ 25 °C and 65 % RH (Time for viscosity to double)	Minutes	40 – 90	40 – 90
Curing Time @ 25 °C / 80 °C	Hours / Minutes	10 ±2 / 30 ±10	10 ±2 / 30 ±10
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
TECHNICAL			
Thermal Conductivity[1]	W/mK	8	8
Operating Temperature	°C	- 40 to + 150	- 40 to + 150
Dielectric Strength	kV/mm	≥ 8	≥ 8
Volume Resistivity	Ohm - cm	≥ 1×10^{12}	≥ 1×10^{12}

Measurement technique according to: [1]ASTM D 5470. Typical, non-binding values. Not intended for specification purposes. Subject to technical changes. Please contact us for further information.
Warning: Only A / B part of the same lot number may be processed together.



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