

2-PART SILICONE GAP FILLER TDG-Y-SI-2C HALA

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

TDG-Y-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 10 / 2024

PROPERTIES

- ☐ Dispensable 2-part silicone
- ☐ Low volatile siloxane content (LV)
- ☐ Thermal conductivity: 6 W/mK
- ☐ Remains elastic after polymerisation
- ☐ Zero stress on components
- ☐ Heat accelerated curing
- ☐ Shock absorbing

AVAILABILITY

- ☐ Cartridges 2 x 25 ml / 2 x 100 ml / 2 x 200 ml / 2 x 330 ml / 2 x 600 ml
- ☐ Pail 2 x 25 kg
- ☐ On request

APPLICATION EXAMPLES

Thermal link of:

- ☐ FPBGA
- ☐ Capacitors
- ☐ Heat Pipes
- ☐ BGA

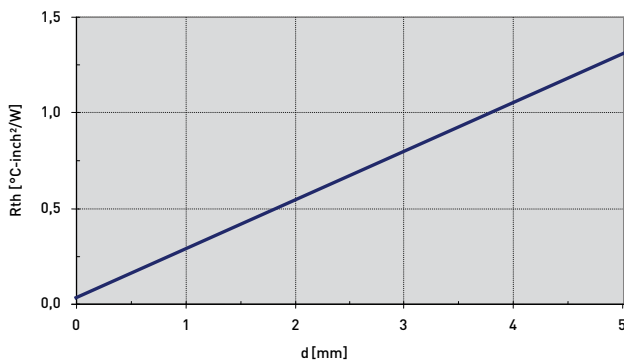
For use in Automotive applications
/ Telecommunication / Multimedia / Industrial PCs

Technical Data Sheet

PROPERTY	UNIT	A Part	B Part
MATERIAL		Silicone	Silicone
Colour		Dark Blue	White
Density @ 25 °C	g/cm ³	3.4	3.4
Mixing Ratio	Weight or Volume	1 : 1	1 : 1
Hardness	Shore 00	50	50
Viscosity (Brookfield @ 10 rpm, 25 °C)	Pas	240	230
Viscosity (mixed) (Brookfield @ 10 rpm, 25 °C)	Pas	235	235
Pot Life @ 25 °C and 65 % RH (Time for viscosity to double)	Hours	≥ 2	≥ 2
Curing Time @ 25 °C	Hours	< 24	< 24
Shelf Life (from Date of Manufacturing, unopened, @ < 35 °C)	Months	6	6
RoHS Conformity	2015 / 863 / EU	Yes	Yes
TECHNICAL			
Thermal Conductivity ¹	W/mK	6	6
Operating Temperature	°C	- 40 to + 150	- 40 to + 150
Dielectric Strength	kV/mm	≥ 10	≥ 10
Volume Resistivity	Ohm - cm	≥ 1 x 10 ¹⁰	≥ 1 x 10 ¹⁰

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.