

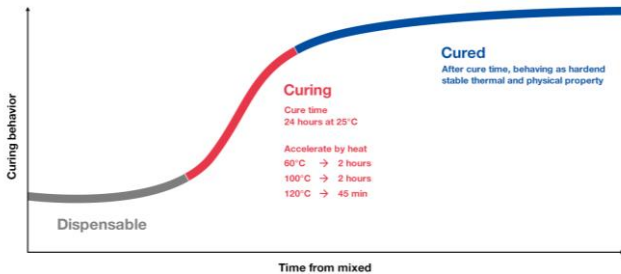
CGW[®] -4.5 (A/B)

Description

CGW[®] series are 2-part liquid silicone thermally conductive Gap Filler curable at room temperature. The curing time at room temperature is approximately 5 hours, and the grease softens during assembly, reducing stress on components such as PCBs, chips and cabinets. CGW[®] -4.5 offers the lowest molecular siloxane content level in the market.

Dispensable silicone type

CGW[®] series 2-part components



The 2-component stress reacting type provides outstanding productivity and formability

Features

- Two-part, liquid gap filling, dispensable material
- Room temperature curable
- Accelerate curing time by heating
- High thixotropic, holding three-dimensional shape
- Low stress, easy squeezing
- No oil bleeding in various environment

Application

- Electronics device
- EV / PHEV / HV battery assembly
- Inverter / converter
- Optics (camera, LED modules)
- Medical electronics

Typical properties

Mixing ratio	1:1
Color (A)	Beige
Color (B)	White
Viscosity (A)*	250 Pa·s
Viscosity (B)*	250 Pa·s
Specific gravity (A)	3.15
Specific gravity (B)	3.15
Pot life at 25°C* (Up to twice of initial viscosity)	≥ 2hrs.
Cure time at 25°C	≤ 24hrs.
Thermal conductivity (ASTM D 5470)	4.5W/(m·K)
Hardness (type OO)	55
Flame rating (UL94) (≥0.15t)	V-0
Operating temperature	-40 ~ 150°C
Volume resistance	≥1x10 ¹⁰ Ω
Breakdown voltage	≥10kV/mm

*Viscosity measured by Brookfield DV-E, SC-14, 10rpm

Packaging

- Dual cartridge (25cc x2, 100cc x2, 200cc x2)
- 330cc cartridge kit
- 600cc cartridge kit
- 25kg pail kit

*Only same lot number of A and B may be processed together

Storage

Store in dry and cool place (1~30°C) without direct sunlight. Keep away from heat, flame and vibrating machine. If stored in long time, product can not use due to filler sedimentation. Best to use up shortly after purchasing.