



BERGQUIST® GAP FILLER TGF 10000

July 2025

Product description

BERGQUIST® GAP FILLER TGF 10000 provides the following product characteristics:

Technology	Silicone based 2K gap filler
Appearance	Part A - red Part B - grey Mixed - red
Mix ratio by volume	1:1
Product benefits	High thermal conductivity Good dispensing efficiency High thermal reliability
Application	Telecom, computing, consumer electronics

BERGQUIST® GAP FILLER TGF 10000 is a thermally conductive liquid interface material based on silicone system for electronics cooling applications. Two-component product is designed for easy dispensing, assembly, and excellent thermal reliability. Specially selected raw materials used for low volatility and long-term reliability in sensitive electronics. Designed for high dispense rate and market leading batch-to-batch flow stability.

Typical properties of uncured material

Flow rate, part A/B, at 90 psi, 30 cc, g/mm	50
Density, part A/B, ASTM D792, g/cc	3.1

Curing profile

Cure schedule, °C	
7 days fully cure	25
3 hours fully cure	85
1 hours fully cure	125

The above cure profiles are guideline recommendations. Cure conditions (time and temperature) may vary based on customers' experience and their application.

Typical properties of cured material

Thermal conductivity, ASTM D5470 (TIM1400), W/m-k	10.4
Hardness, Shore 00, ASTM D2240	80
Dielectric strength, ASTM D149, KV/mm	12
Volume resistance, ASTM D257, Ohm.cm	1*10 ¹²

General information

The cure of this silicone product may be inhibited through contact with certain contaminants. Avoid contact with butyl and chlorinated rubbers, amines, sulfur or sulfur containing materials, tin containing compounds, or heavy metal salts.

For safe handling information on this product, consult the Safety Data Sheet (SDS).

Storage

Store product in the unopened container in a dry location. Storage information may be indicated on the product container labeling.

Storage condition: 2°C to 25°C for 6 months shelf life. Storage greater than 25°C can adversely affect product properties.

Shipping condition: -20°C to 30°C within one week.

Material removed from containers may be contaminated during use. Do not return products to the original container. Henkel Corporation cannot assume responsibility for product which has been contaminated or stored under conditions other than those previously indicated. If additional information is required, please contact your local Technical Service Center or Customer Service Representative.

Conversions

- (°C x 1.8) + 32 = °F
- kV/mm x 25.4 = V/mil
- mm / 25.4 = inches
- µm / 25.4 = mil
- N x 0.225 = lb
- N/mm x 5.71 = lb/in
- N/mm² x 145 = psi
- MPa x 145 = psi
- N·m x 8.851 = lb·in
- N·m x 0.738 = lb·ft
- N·mm x 0.142 = oz·in
- mPa·s = cP



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