



High Performance Thermal Interface Silicone Gel

Product Description

SF-GE**TP SERIES are thermal pad base on silicon rubber material, compose of high heat conduction ceramic powder. Has good heat conduction, great conformable, good for applying on heat sink and insulation.

And has a high insulation and flame resistant ◦

Features

- Non-Toxic base ◦ low grease releasing
- High insulation ◦ Good flame retardant ◦ High endurance in high and low temperature ◦ Ultra soft and high compressibility
- High heat distribution performance, good for gap filling between structures

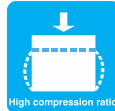
Applications

- Cellphone ◦ Tablet ◦ Notebook ◦ PCB for Digital Camera ◦ Chipset ◦ LCD
- Router ◦ Disk drive ◦ GPS ◦ Game Device
- Masking Device ◦ Testing Equipment ◦ Military electronics



Storage and Shelf Life

- Best recommended validity: Within less than 12 months.
- Best recommended storage condition: Temperature (25°C~30°C) & Humidity (50%RH~60%RH)^[SEP]
- The measuring data was determined under the laboratory condition, and can be used as a reference only.
- Performance may vary when using in different applications.^[SEP]
- Less of silicone fluid may exude from the product when using in certain operating conditions.



SPECIFICATION

| Physical Properties | unit | GE10TP-1218 | GE15TP-1518 | GE23TP-2318 | GE30TP-3018 | GE50TP-5018 | GE65TP-6518 | GE110TP-110 |
|---------------------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Color | / | Light Gray | Black | Orange | Gray | Light Green | Gray | Gray |
| Specific Gravity | g/cm ³ | 2.2 | 2.2 | 2.8 | 2.8 | 3.1 | 3.2 | 3.1 |
| Thermal Conductivity | W/mk | 1.2 | 1.5 | 2.3 | 3 | 5.0 | 6.5 | 11 |
| @1.0mm Volume Resistivity | Ωcm | 10 ¹⁰ | 10 ¹⁰ | 10 ¹⁰ | 10 ¹⁰ | 10 ¹⁰ | 10 ¹⁰ | 10 ¹⁰ |
| Breakdown Voltage | KV/mm | >6 | >6 | 6 | 6 | >6 | >6 | >6 |
| Thickness±10% | mm | 0.3~10.0 | 0.5~10.0 | 0.2~2.0 | 0.2~2.0 | 0.5~2.0 | 0.5~2.0 | 0.3~2.0 |
| Hardness | Shore00 | 35 | 40 | 52 | 60 | 60 | 65 | 75 |
| Flammability class | / | UL94-V0 | UL94-V0 | UL94-V0 | UL94-V0 | UL94-V0 | UL94-V0 | UL94-V0 |
| Application temperature | °C | -40~+200 | -40~+200 | -40~+200 | -40~+200 | -40~+200 | -40~+200 | -40~+200 |
| Adhesive | / | Option | Option | Option | Option | - | - | - |
| Self-adhesive | / | Double Sided | Double Sided | Double Sided | Double Sided | Double Sided | Double Sided | Double Sided |
| Fiber Strengthen | / | Option | Option | Option | - | - | - | - |

© The information of specification and recommended appliances on this datasheet, are base our knowledge and experiences. For Actual appliance, please conduct tests to decide the applicability of the products. DO NOT depend on the datasheet's info as applicability of the products without conducting any experiments.