



# TECHNICAL INFORMATION

## 技術資料

Tech. No. STG-715

寰亞化工有限公司

## STG – 715

### Thermal Conductive Grease

#### Features:

1. High K value.
2. Easy process.
3. Wide temperature use (-50°C~+180°C).
4. Good weather resistance.
5. Good dielectric properties.
6. UL94V0 approval.

**STG-715** is non-corrosive high performance thermal conductive grease. Due to its heavily filled heat-conductive metal oxides and low surface tension, it can wet most materials surface to lower the thermal resistivity between base surfaces, and to be an excellent thermal transfer interface material. It exhibits excellent electrical properties with stable to wide temperature change, suitable for insulation applications. Besides, it is good resistance in ozone and UV light. With excellent thermal conductivity, it can transmit the heat out the appliances to reduce the temperature and enhance appliance's performance. It is mainly applied for CPU and high-power transistors high-heating elements, semi-conductor and heat sink, power resistor, temperature regulator, thermoelectric cooler. It exhibits the following features:

1. High thermal conductivity: high K value for fast heat transfer.
2. Easy to be processed by tool spreading or screen printing.
3. Wide range of use temperature.
4. Good chemical stability, non-corrosiveness.
5. Excellent electrical properties for insulation.
6. Excellent flame resistance.

#### Typical Properties:

Appearance	Paste
Color	White
Specific Gravity (25°C)	2.5
Penetration 10 <sup>-1</sup> , mm	320
Evaporation after 24 hours at 200°C (%)	< 1.5
Thermal Conductivity (W/mK)	2.2
Flame Resistivity Level	UL94V0

\* Long-term storage may cause slightly bleeding, gently mix prior to use.



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### How to Use:

1. Target surface must be cleaned and dried, and free of dust and oil. Using solvent for clean, do not use soap or detergent.
2. It can be applied by hands or specially designed automated equipment, screen printing, or by wiping.
3. Certain designs of grease guns may seize with it; test prior to using.

### Storage and Shelf Life:

1. Store at 25°C or lower and dry place. In unopened original containers with appropriate care, shelf life is 12 months.
2. Avoid from sunlight, high temperature and high humidity environment.
3. Use up as soon as possible when opened. If customer does not use all up in once, please seal tightly to preserve left over.

### Caution:

1. Avoid contacting eyes. In case of eye contact, immediately flush eyes with large quantity of water for least 15 minutes, and get medical attention.
2. In case of skin contact, wipe off with clean and dry cloth or paper, and wash with soap and water.
3. Do not swallow nor contact foods.
4. Keep away from children.
5. This product is for industrial uses only.

**Packaging :** 1Kg、10Kg。

The above data offered are based on our laboratory works for customers' references only. The conditions of use, such as mix ratio, well mixed, cure condition (i.e., environment, temperature, humidity, and size), and treatment of target surface, can affect the final results. Therefore, it is imperative to test this product to determine the suitability of the product for its intended uses and applications. Fong Yong Chemical Co., Ltd. assumes no obligation or liability for use and makes no warranty, expressed or implied. Customers are solely responsible for their uses and applications. Welcome to consult our sales representatives for further technical assistance.

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