

# NYSTEIN Thermal Grease Flextein® TG5060

## Technical Data Sheet

### Product Description:

Flextein TG5060 is a 6.0 W/m·K high performance thermal grease. This silicone based material is environmental friendly and designed to solve overheating or reliability issues. Its excellent wetting to the interfaces can offer premier low thermal resistance of 0.04 °C·cm<sup>2</sup>/W (@ 50 psi). This material is suitable for screening or dispensing process.

### Features & Benefits:

- Thermal conductivity 6.0 W/m·K
- Thermal resistance 0.04 °C·cm<sup>2</sup>/W (@ 50 psi)
- Ultra low oil separating rate
- Stable and conform to environmental requirements including RoHS.



### Typical Properties:

| Typical Property         | TG5060                    | Unit                             | Test Method |
|--------------------------|---------------------------|----------------------------------|-------------|
| Color                    | Gray                      | -                                | Visual      |
| Min. Bond Line Thickness | 0.05                      | mm                               | Nystein     |
| Thermal Conductivity     | 6                         | W/m · K                          | ISO 22007-2 |
| Thermal Resistance       | 0.04                      | °C·cm <sup>2</sup> /W (@ 50 psi) | ASTM D5470  |
| Viscosity                | 900000                    | cps                              | GB/T269     |
| Density                  | 2.6                       | g/cm <sup>3</sup>                | ASTM D792   |
| Volume Resistivity       | $\geq 1.0 \times 10^{12}$ | $\Omega \cdot \text{cm}$         | ASTM D257   |
| Operating Temp           | -40 to 150                | °C                               | Nystein     |
| Flammability Rating      | V-0                       | -                                | UL94        |
| RoHS Compliance          | Yes                       | -                                | Nystein     |

### Typical Application:

- Computer processor CPU
- Chips and chipsets
- LED lighting devices
- GPU
- LCD
- Storage devices
- Other heat sink modules

**Configuration Available:**

- 1kg, 2kg, 10kg pail.

**Storage conditions:**

- Sealed and stored in dry place, away from light.
- Shelf life is 12 months at recommended storage temperature: 25°C (±3) and humidity: 50% (±10)
- The materials may be contaminated when unsealed, please do not mix the used material with the sealed products. Nystein does not assume any responsibility for contaminated products or conditions other than the required storage conditions.
- For additional information, please contact your appropriate sales, technical support, or customer service representative promptly.

**Declare**

The information provided in this Technical Data Sheet (TDS), including product use and application recommendations, is based on our knowledge and experience with Nystein China products. The data contained in this TDS is for informational purposes only and is believed to be reliable. To obtain official product specifications for a specific product end use, please contact the sales, Application Engineer or customer service person with whom you are in contact.

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