

NYSTEIN Thermal Grease **Flextein®** TG5062

Technical Data Sheet

Product Description:

Flextein TG5062 is a 6.0 W/m · K thermal grease with high thermal conductivity and ultra low thermal resistance. This silicone grease material also offers excellent insulation performance, and can satisfy the requirements of high heat transfer efficiency and insulation in high power applications.

Flextein TG5062 is suitable for screening or dispensing due to the premier spreadable performance. This material also has excellent surface wetting characteristics and flows easily to the voids at the interfaces, resulting in low thermal impedance even at low pressure.

Features & Benefits:

- Thermal conductivity 6.0 W/m· K
- Thermal resistance 0.09 °C·cm²/W (@ 50 psi)
- Very low oil separating rate
- Easy for scraping and application



Typical Properties:

Typical Property	TG5062	Unit	Test Method
Color	Gray	-	Visual
Min. Bond Line Thickness	0.05	mm	Nystein
Thermal Conductivity	6.0	W/m · K	ISO 22007-2
Thermal Resistance	0.09	°C·cm ² /W (@ 50 psi)	ASTM D5470
Viscosity	300000	cps	GB/T269
Density	3.2	g/cm ³	ASTM D792
Oil Separating Rate	<0.5	%	SH/T0324-92
Volume Resistivity	$\geq 1.0 \times 10^{12}$	$\Omega \cdot \text{cm}$	ASTM D257
Operating Temp	-40 to 150	°C	Nystein
Breakdown Voltage	≥ 6	KV/mm	ASTM D149
RoHS Compliance	Yes	-	Nystein

Typical Application:

- IGBT module
- Computer processor CPU
- 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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