



Thermal Grease

SY-TG5880

Technical Data Sheet

Version Number: A-a

❖ Product Introduction

TG5880 is a special interface filling material with high thermal conductivity which is made of silicone resin by special formula and process. Low interfacial thermal resistance can be achieved at relatively low pressure. It can be used between heating power devices and radiating aluminum sheets or shell to effectively eliminate the air, which can reduce air contact thermal resistance and achieve effective filling effect.

❖ Available Configuration

- 1kg/Can, 2kg/Can, 10kg/Barrel, 30cc/Syringe.

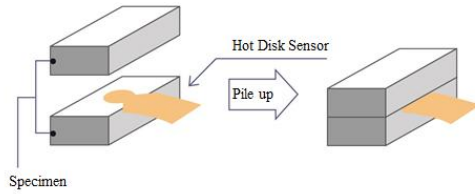
❖ Product Performance

- Good thermal conductivity and low thermal resistance;
- Good wettability and electrical insulation;
- Low denseness and good construction performance;
- Good reliability.

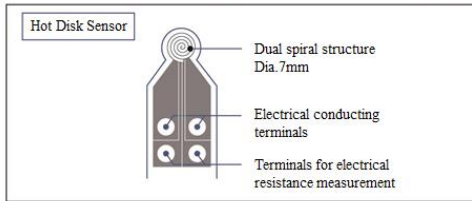
❖ Features

PROPERTIES	SPECIFICATIONS	TEST STANDARD
Color	Gray	Visual Inspection
Density (g/cm ³)	2.85±0.30	ASTM D792
Viscosity@23°C (cps)	3.5×10 ⁵	Brookfield DV-II+ Spindle-T-F; Speed 10 rpm
Surface Resistance (Ω)	≥2.0×10 ⁸	ASTM D257
Thermal Conductivity W/(m·k)	3.50±0.35 (with solvent)	ISO 22007-2:2008
	6.00±0.60 (without solvent)	ISO 22007-2:2008
Thermal Resistance @40psi (°C·in ² /W)	0.011	ASTM D5470
Service Temperature (°C)	-40~125	Saintyoo TM

□ Thermal Conductivity Test Method



Thermal conductivity is calculated by software for calculation



Sample dimension is 25.4*25.4*4mm.

❖ Product Application

The product is widely used in Computer Processor CPUs, Chips and Chipsets, Power Supply and UPS, Graphics Card GPUs, LCD and PDP Plat Plate Display, Mass Storage Devices and other electronic products between heating devices and heat radiation aluminum sheet or shell filling and heat conduction etc.



❖ Duration and Storage Condition

- Best if Used Before: 12 months
- Best Storage Condition: 15°C~35°C/0~65%RH in packing case.

Special Declaration: We suggest user do adaptability test before the formal use of this product. Due to the diversity of practical application, our company do not guarantee that the problem appear in a specific condition, thus our company will not be responsible for any direct, indirect or accidental damage. You can contact my company's after-sales service when problems encountered in the use, we will try to help you.