

Thermal Conductive Silicon Pad-309

Technical data sheet

❖ Product profile

SOMIDA309 is a high-performance thermal interface material primarily used in thermal conductivity structures. It enables the heat dissipation module to better dissipate heat, thereby rapidly cooling down the heat-generating body and more stably maintaining low-temperature operation. Especially with the widespread application of 5G, the power of heat-generating chips has rapidly increased, and the amount of heat generated also increases with the increase in power. The application of high-performance thermal interface materials has become particularly important.

❖ Advantage

- ❶ Good thermal conductivity, low thermal resistance;
- ❷ Soft material, low stress, good filling effect, no damage to the components;
- ❸ A variety of thickness selection, but also can choose the back glue, single surface viscosity, glass fiber or PI membrane enhancement;
- ❹ Good resilience and reliability, natural viscosity, rework, easy to assemble.

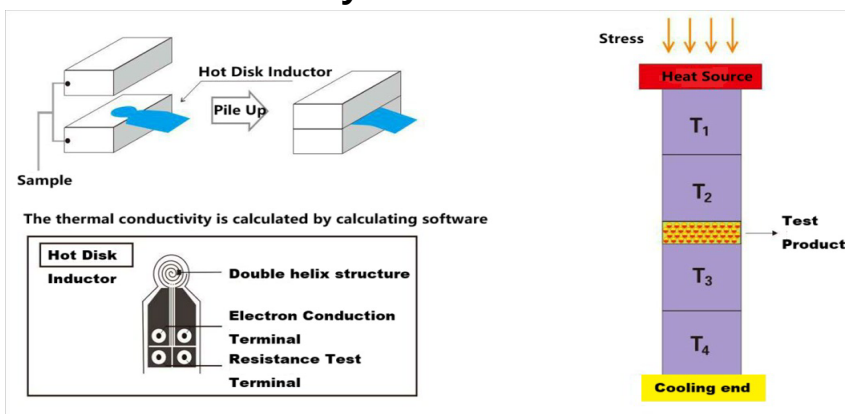
❖ Typical applications

It is mainly used in LED lighting, calculator, communication equipment, switching power supply, flat panel, TV, mobile equipment, video equipment, network products, household appliances, PC server, workstation, laptop computer chip, etc.

❖ Product structure



■ Test method of thermal conductivity



❖Typical performance indicators

NO.	Item	Technical specifications	Testing standards
characteristic	1 Color	gray	visual
	2 Thickness (mm)	0.5~ 5 (Customizable)	ASTM D 374
	4 Density (@25℃, g /cm ³)	3.28	ASTM D 792
	5 Hardness (Shore C)	60	ASTM D 2240
	7 Tensile strength (psi)	25	ASTM D 412
	8 Elongation rate (%)	10	ASTM D 412
	9 Breaking strength (KV / mm)	≥5	ASTM D 149
	10 Volume resistivity (Ω. cm)	6*10 ¹³	ASTM D 257
	11 Flame retardant rating	V-0	UL 94
	12 Operating temperature (℃)	- 40 ~ 200	EN 344
	13 Upper PET / lower	0.05T / Embossed protective film	--
	14 Thermalconductivity , W/m.k	9.0	ISO 22007-2

❖Use method and attention

First , remove the blue PE grid pad or transparent PET on one side, locate the product by manual or treatment to fix the product flat on the surface of the power device; then remove the transparent PET protective film on the other side.

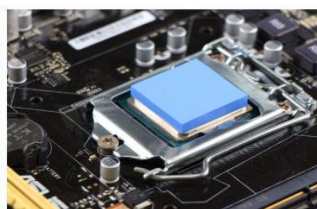
❖packing specifications

Regular size: 200 * 400mm; the shape and specifications can be customized according to customer requirements.

❖condition of storage

Products should be kept clean and dry during storage and transportation.

Storage life: 12 months



Special Statement:

Customers are advised to conduct an application test evaluation before formally using the product. Due to the diversity of practical application of the products , the company does not guarantee the problems of using our products under

specific conditions, and does not bear any direct, indirect or accidental loss responsibility. If users encounter problems in the process of using the products, they can contact the after-sales service department of our company, and we will try our best to provide help for you.

