



速传电子材料有限公司

Speed Spread Electronic Materials Co., Ltd

# Engineering Products Introduction



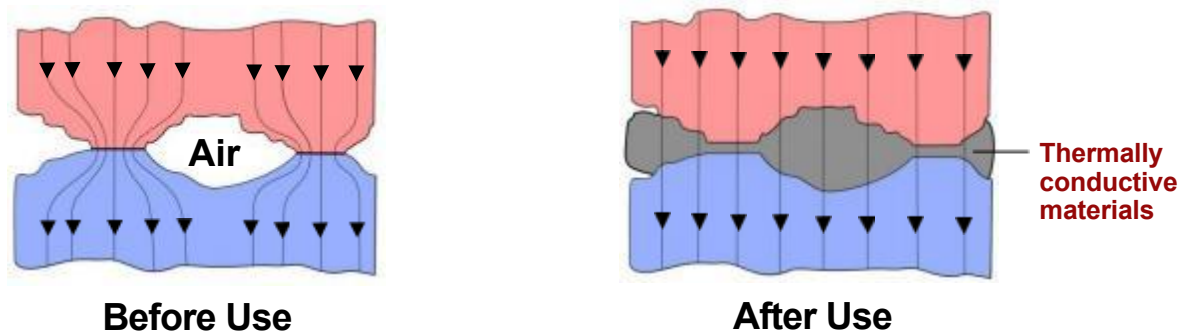
# TIM Brief

## Thermal Interface Materials Brief

---

### Thermal Conductive Theory

The heat of the heating element can be effectively and quickly discharged, avoiding the temperature of the heating component being too high, which may cause a decrease in working efficiency or damage.



### Thermal Conductivity K

The ratio of heat to time when the temperature difference is 1 (K or °C) through unit area and unit thickness. Thermal conductivity is a physical quantity that describes the heat transfer ability of a material. It is an inherent property of homogeneous materials and has nothing to do with the size and shape of the material.

$$K = \frac{\lambda}{A \cdot dt}$$

### Thermal Resistance R

The amount of resistance to heat transfer through an interface or a material, a property that is related to thickness and area.

R contact: thermal contact resistance



$$R = \frac{X_{\text{(厚度)}}}{K} \quad R_{\text{contact}}$$

---

**All components that need to dissipate heat may use thermal interface materials.**



**New Energy Power & Charging Stations**



**Server**



**Communication base station**



**Notebook computer**



**TV Display Screen**



**Mobile Terminal**



**Medical Products**



**Solar Panel**



**LED**

# Product List

## Thermal Interface Materials Brief

---

### **SC-TP**

Thermal Insulation Pad

### **SC-TCF**

Carbon Fiber Thermal Conductive Pad

### **SC-TFC**

Thermal Conductive Phase Change Material

### **SC-TS**

Thermal Insulation Mud

### **SC-TG**

Thermal Paste

### **SC-TIS**

Thermal Insulation Grease

### **SC-TA**

Thermal Conductive Wave Absorbing Material

### **SC-NTP**

PMMA Thermal Pad Silicone-free Oil

### **SC-CH**

Thermal Ceramic Heat Sink

### **SC-STG/DTG**

Thermal Conductive Gel

### **Precision Die - Cutting**

Graphite, Conductive Foam, Thermal Insulation Aerogel, Double-sided Tape, etc.

# SC-TP

## Thermal Insulation Pad

### Introduction

Thermally conductive silicone has high softness, good compressibility, strong self-adhesion and excellent filling performance.

### Property

Thermal conductivity of 1.5-15.0 W/m-k, can be dispersed on uneven surfaces, no deformation, strong self-adhesion, low thermal impedance, fireproof and good insulation



### Application

- Automotive lithium battery cooling device
- LED lighting equipment
- Power conversion equipment
- Power supply conversion equipment
- Automotive engine control unit
- Vibration damping application

Product Name	SC-TP150	SC-TP200	SC-TP300	SC-TP400	SC-TP500	SC-TP600	SC-TP800	SC-TP1000	SC-TP1200	SC-TP1500
Color	Light Blue	Off-White	Light Green	Purple	Yellow	Pink	Light Grey	Light Grey	Light Grey	Light Grey
Thermal Conductivity W/m·K	1.2	2.0	3.0	4.0	5.0	6.0	8.0	10.0	12.0	15.0
Thickness mm	0.15 ~ 10	0.2 ~ 10	0.25 ~ 10	0.3 ~ 10	0.5 ~ 10	0.5 ~ 10	0.5 ~ 10	0.5 ~ 10	0.5 ~ 10	0.5 ~ 10
Hardness	40	40	45	45	50	50	55	55	55	55
Density g/cm <sup>3</sup>	1.75	2.5	2.98	3.1	3.2	3.26	3.36	3.3	3.3	3.3
Breakdown Voltage KV (>1mm)	>6	>6	>5	>5	>5	>5	>6	>5	>5	>5
Dielectric Constant@ 1Mhz	5.3	7.0	7.3	7.5	7.4	7.9	7.2	7.0	7.0	7.0
Volume Resistivity Ω·cm	10 <sup>12</sup>	10 <sup>13</sup>	10 <sup>13</sup>	10 <sup>13</sup>	10 <sup>10</sup>	10 <sup>12</sup>	10 <sup>12</sup>	10 <sup>12</sup>	10 <sup>12</sup>	10 <sup>12</sup>
Temperature Range °C	-40~150	-40~150	-40~150	-40~150	-40~150	-40~150	-40~150	-40~150	-40~150	-40~150
Flame Rating	94V-0	94V-0	94V-0	94V-0	94V-0	94V-0	94V-0	94V-0	94V-0	94V-0

The above content and technical information are based on the experimental results of our company, but they are not used as legal interpretation or guarantee. Before use, users need to evaluate the application purpose and scope of the product.



# SC-TCF

## Carbon Fiber Thermal Conductive Pad

### Introduction

SC-TCF is a new lightweight, high-strength directional thermal pad with ultra-high thermal conductivity and ultra-low thermal resistance. By using an advanced arrangement technology, the thermal conductive filling material is evenly and vertically distributed in the matrix of high thermal conductivity molecules, which can greatly improve the heat transfer efficiency. At the same time, the low filling ratio makes the material have good mechanical properties and excellent thermal stability, and is widely used in the electronic field with high requirements for heat dissipation. This high thermal conductive filling itself is fibrous and can be designed with thermal orientation, which is the biggest difference and advantage from previous thermal conductive materials.

### Property

- Thermal conductivity 20~35 W/m·k
- Ultra-low thermal impedance, low filling ratio, lightweight
- Zero oil seepage, excellent reliability
- Safe and environmentally friendly, RoHS compatible
- Corrosion resistant, anti-oxidation

### Application

#### Product Application:

- Satellites, radars
- Large servers
- Data processing centers
- Signal converters
- Mass storage devices
- High-power devices
- Electronic communication equipment



Product Name	SC-TCF2000	SC-TCF2500	SC-TCF3000	SC-TCF3500
Color	Black	Black	Black	Black
Standard Dimensions (mm)	100*100	100*100	100*100	100*100
Thickness (mm)	0.5 to 5.0	0.5 to 5.0	0.5 to 5.0	0.5 to 5.0
Thermal Conductivity (W/m·k)	20.00	25.00	30.00	35.00
Hardness (Shore00)	55±5	55±5	55±5	55±5
Density g/cm <sup>3</sup>	2.5±0.2	2.5±0.2	2.5±0.2	2.5±0.2
Breakdown Voltage KV (>1mm)	< 0.5	< 0.5	< 0.5	< 0.5
Flame Rating	V-0	V-0	V-0	V-0
Temperature Range °C	-40 to 150	-40 to 150	-40 to 150	-40 to 150
Thermal Resistance @50psi@1mm(°C-cm <sup>2</sup> /W)	≤0.11	≤0.11	≤0.11	≤0.11

The above content and technical information are based on the experimental results of our company, but they are not used as legal interpretation or guarantee. Before use, users need to evaluate the application purpose and scope of the product.

# SC-TFC

## Thermal Conductive Phase Change Material

### Introduction

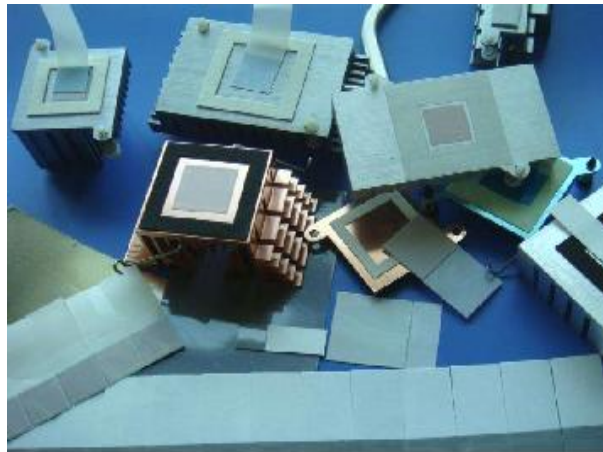
Thermally conductive phase change materials are often used to fill the gaps between high-efficiency processors and heat dissipation modules to provide extremely low thermal resistance. This material undergoes a phase change at 50-52°C, has a certain fluidity but does not overflow, can fully fill gaps, thoroughly wet the contact surface, and improve the heat transfer capacity between the heating part and the heat dissipation part. Thermally conductive pads have inherent adhesive properties, do not require an adhesive layer, and cover the microscopic uneven surface so that the mating parts are fully in contact and improve the heat transfer efficiency.

### Property

- Very low thermal resistance
- High adhesive surface for easy use
- RoHS compliant

### Application

- Desktops, laptops and servers
- Microprocessors
- Chips and chipsets
- NB cooling modules
- Graphics cards
- Storage modules



Color	Pink	Yellow	Grey	Grey	Grey	Grey
Thermal Conductivity W/m·K	1.0±0.3	2.0±0.3	3.0±0.3	5.0±0.3	6.0±0.3	8.0±0.3
Thickness mm	0.1 ~ 1.0	0.1 ~ 1.0	0.1 ~ 1.0	0.1 ~ 0.5	0.1 ~ 0.5	0.1 ~ 0.5
Change Temperature °C	55 ~ 60	55 ~ 60	45 ~ 55	45 ~ 55	45 ~ 55	45
Density g/cm	2.3	2.7	3.15	2.8	2.8	2.8
Thermal Impedance 50psi(°C-cm2/W)	<0.22	<0.18	<0.14	< 0.07	< 0.06	< 0.05
Dielectric Coefficient MHz	3.1	3.1	3.1	3.1	3.1	3.1
Volume Resistivity Ω·cm	4.0x 10 <sup>13</sup>	4.0x 10 <sup>13</sup>	4.0x 10 <sup>13</sup>	2.0x 10 <sup>13</sup>	2.0x 10 <sup>13</sup>	2.0x 10 <sup>13</sup>
Temperature Range °C	-20~120	-20~120	-20~120	-20~120	-20~120	-20~150

The above content and technical information are based on the experimental results of our company, but they are not used as legal interpretation or guarantee. Before use, users need to evaluate the application purpose and scope of the product.

# SC-TS

## Thermal Insulation Mud

### Introduction

As a medium for transferring heat, FG thermal conductive mud has excellent thermal conductivity, good lubricity and electrical insulation, as well as good resistance to high and low temperatures. It has low viscosity and good construction performance. This product is based on polysiloxane and supplemented with high thermal conductive fillers. It is non-toxic, odorless and non-corrosive. It complies with R O H S directives and related environmental protection requirements, and has stable chemical and physical properties.

### Property

- Strong plasticity, easy to use
- Thoroughly wet the contact surface to improve heat dissipation effect
- Safe and environmentally friendly, RoHS compliant

### Application

- Computer processors CPUs
- Chips and chipsets Power supplies and UPS
- Graphics cards LCD and PDP Flat panel displays
- Massive storage devices
- Computer cooling fans



### Product Configuration & Storage

1 kg/can, 2 kg/can, 10 kg/drum; 30 cc syringe.  
Store in a cool and dry place. Shelf life 12 months.

Color	Off-White	Off-White	Off-White
Thermal Conductivity W/m·K	<b>1.0±0.3</b>	<b>2.0±0.3</b>	<b>3.0±0.3</b>
Density g/cm	<b>1.75</b>	<b>2.3</b>	<b>2.98</b>
Breakdown Voltage KV (>1mm)	<b>4</b>	<b>4</b>	<b>4</b>
Volume Resistivity Ω·cm	<b>4.0x 10<sup>13</sup></b>	<b>4.0x 10<sup>13</sup></b>	<b>4.0x 10<sup>13</sup></b>
Temperature Range	<b>-40~150</b>	<b>-40~150</b>	<b>-40~150</b>
Flame Rating	<b>94V-0</b>	<b>94V-0</b>	<b>94V-0</b>
Packaging	<b>Filling</b>	<b>Filling</b>	<b>Filling</b>

The above content and technical information are based on the experimental results of our company, but they are not used as legal interpretation or guarantee. Before use, users need to evaluate the application purpose and scope of the product.



# SC-TG

## Thermal Paste

### Introduction

As a medium for transferring heat, TG thermal paste has excellent thermal conductivity, good lubricity and electrical insulation, as well as good high and low temperature resistance; it has low viscosity and good construction performance. This product is based on polysiloxane and supplemented with high thermal conductivity fillers. It is non-toxic, odorless and non-corrosive, complies with the R O H S directive and related environmental protection requirements, and has stable chemical and physical properties.

### Property

- Thermal conductivity 1.0~6.0 W/m·k
- Extremely low thermal resistance, better heat transfer
- Thoroughly wet the contact surface to improve heat dissipation effect
- Safe and environmentally friendly, RoHS compliant

### Application

- Computer processors CPUs
- Chips and chipsets
- Power supplies and UPS
- Graphics cards
- LCD and PDP flat panel displays
- Massive storage devices
- Computer cooling fans

### Product Configuration & Storage

1 kg/can, 2 kg/can, 10 kg/drum; 30 cc syringe.

Store in a cool, dry place. Shelf life 12 months.



Color	White	Off-White	Grey	Grey	Grey	Grey
Thermal Conductivity	1.0±0.3	2.0±0.3	3.0±0.3	4.0±0.3	5.0±0.3	6.0±0.3
Evaporation	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Density g/cm	2.2	2.5	2.78	3.15	3.15	3.15
Thermal Impedance 50psi(°C-cm2/W)	0.256	0.212	0.221	0.256	0.08	0.08
Breakdown Voltage KV (>1mm)	5	5	5	5	5	5
Temperature Range °C	-40~150	-40~150	-40~150	-40~150	-40~150	-40~150

The above content and technical information are based on the experimental results of our company, but they are not used as legal interpretation or guarantee. Before use, users need to evaluate the application purpose and scope of the product.

# SC-TIS

## Thermal Insulation Grease

### Introduction

TIS is a two-component, high thermal conductivity, room temperature curable, long working time, fire retardant silicone potting compound. It is particularly suitable for potting capacitors and small electronic devices. Its flexibility and elasticity enable it to provide a buffer for the coated material. The lower viscosity allows the thermally conductive potting compound to more fully cover the surface during the period, greatly improving the efficiency of heat conduction from the heating device or the entire PCB to the metal housing or diffusion plate, thereby improving the efficiency and service life of electronic components.

### Property

- Good insulation
- Low viscosity, conducive to gas discharge
- Good solvent resistance and waterproof performance
- Excellent high and low temperature resistance

### Application

- Power supply, connector, sensor, industrial control, transformer, coil, amplifier, high voltage package, relay, high current junction box, etc.
- Assembly of heat sink, potting of thermal sensor, potting of thermal conductive products
- Heat conduction between battery cell and cooling tube
- LED and power driver potting

Product name	SC-TIS15AB	SC-TIS20AB	SC-TIS30AB	SC-TIS40AB
Color	White	White	White	White
Thermal Conductivity W/m·K	1.2	2.0	3.0	4.0
Thickness mm	0.15 ~ 5	0.2 ~ 5	0.25 ~ 5	0.3 ~ 5
Hardness Shore A	40	40	50	50
Density g/cm <sup>3</sup>	1.75	2.5	2.98	3.1
Breakdown Voltage KV (>1mm)	>6	>6	>5	>5
Dielectric Constant @1Mhz	5.3	7.0	7.3	7.5
Volume Resistivity Ω·cm	10 <sup>12</sup>	10 <sup>13</sup>	10 <sup>13</sup>	10 <sup>13</sup>
Temperature Range °C	-40~150	-40~150	-40~150	-40~150
Flame Rating	94V-0	94V-0	94V-0	94V-0

The above content and technical information are based on the experimental results of our company, but they are not used as legal interpretation or guarantee. Before use, users need to evaluate the application purpose and scope of the product.

# SC-TA

## Thermal Conductive Wave Absorbing Material

### Introduction

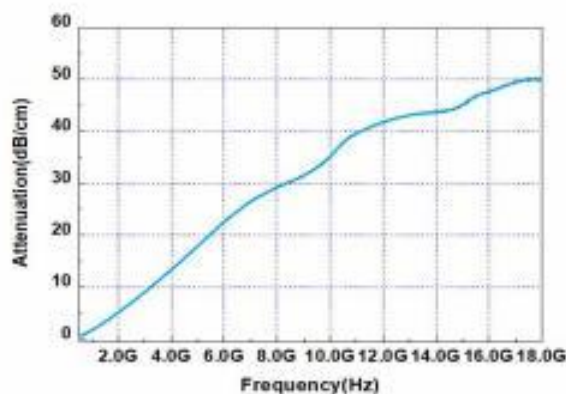
SC-TAxxx thermal conductive absorber patches have good thermal conductivity, can absorb electromagnetic waves, have shielding effect and insulation withstand voltage characteristics. Low interface thermal resistance can be achieved at relatively low pressure. Air can be effectively excluded to achieve a good filling effect. It can be directly applied between the heat sink and the metal shell to effectively export heat energy. At the same time, it has electromagnetic shielding and electromagnetic clutter absorption performance, providing a good solution for electronic products in thermal conductivity and electromagnetic shielding.

### Property

- High thermal conductivity, low thermal resistance
- Good insulation and withstand voltage characteristics
- Excellent electromagnetic wave attenuation ability, good surface compatibility
- Good resilience, good self-adhesion
- High long-term reliability

### Application

- 5G base stations
- UAV/drone
- Optical modules, amplifiers
- Laptops, routers, TVs
- Medical equipment, electronic diagnostic instruments



Characteristics	SC-TA300	Unit	Test Method
Color	Dark Grey	-	Visual
Thickness	0.5~3.0	mm	ASTM D374
Hardness	50	Shore 00	ASTM D2240
Density	3.1	g/cm <sup>3</sup>	ASTM D792
Temperature Range	-45~150	°C	N/A
Attenuation Rate	30	dB/cm	@8Ghz
	45	dB/cm	@15Ghz
Breakdown Voltage	>6	kv	ASTM D149
Surface Resistance	10 <sup>10</sup>	Ω	ASTM D2574
Thermal Conductivity	3.0	W/mk	ASTM C518-98

The above content and technical information are based on the experimental results of our company, but they are not used as legal interpretation or guarantee. Before use, users need to evaluate the application purpose and scope of the product.

# SC-NTP

## PMMA Thermal Pad Silicone-free oil

### Introduction

NTP non-silicone thermal pads are acrylic materials with excellent properties of strong self-adhesion, no oil leakage and corrosion resistance. Different from conventional thermal pads, non-silicone thermal pads have excellent mechanical strength, toughness and wear resistance. They are suitable for use in special environments such as high-voltage and high-impact lithium batteries. In the use of lithium batteries, non-silicone thermal pads can effectively prevent the dissolution of electrolytes, so they are widely used in the lithium battery industry.

### Property

- No oily stains, avoid oil pollution
- Unique properties of acrylic acid, strong adhesion, no need for adhesive
- Safe and environmentally friendly, RoHS compliant

### Application

- Computer processors CPUs
- Chips and chipsets
- Power supplies and UPS
- Graphics cards
- LCD and PDP flat panel displays
- Massive storage devices
- Computer cooling fans



Product name	SC-NTP150	SC-NTP200	SC-NTP300	SC-NTP400	SC-NTP500	SC-NTP600
Color	White	White	White	White	White	White
Thermal ConductivityW/m·K	1.2	2.0	3.0	4.0	5.0	6.0
Thickness mm	0.15 ~ 5	0.2 ~ 5	0.25 ~ 5	0.3 ~ 5	0.5 ~ 5	0.5 ~ 5
Hardness Shore00	65	65	65	65	65	65
Density g/cm <sup>3</sup>	1.75	2.5	2.98	3.1	3.2	3.26
Breakdown Voltage KV (>1mm)	>6	>6	>5	>5	>5	>5
Dielectric Constant @1Mhz	5.3	7.0	7.3	7.5	7.4	7.9
Volume Resistivity Ω·cm	10 <sup>12</sup>	10 <sup>13</sup>	10 <sup>13</sup>	10 <sup>13</sup>	10 <sup>10</sup>	10 <sup>12</sup>
Temperature Range °C	-40~150	-40~150	-40~150	-40~150	-40~150	-40~1
Flame Retardant Grade	94V-0	94V-0	94V-0	94V-0	94V-0	94V-0

The above content and technical information are based on the experimental results of our company, but they are not used as legal interpretation or guarantee. Before use, users need to evaluate the application purpose and scope of the product.

# SC-CH

## Thermal Ceramic Heatsink

### Introduction

H.SAC ceramic material has the characteristics of good insulation, high thermal conductivity, high infrared radiation rate and low expansion coefficient. It can become a new material for heat dissipation of LED lighting and network communication products.

H.SAC can withstand large current, high voltage, leakage breakdown, no noise, and will not produce coupling parasitic capacitance with MOS and other power tubes, thus simplifying the filtering process; the required creepage distance is shorter than that required by the financial body, which further saves board space and is more conducive to engineers' design and electrical certification; H.SAC has multi-directional heat dissipation and is suitable for IC packaging with multi-directional heat dissipation;

H.SAC material is small in size, light in weight, does not occupy space, and is more conducive to the reasonable layout of product design;

H.SAC has good heat dissipation and heat transfer performance, which can effectively solve the heat dissipation problem of electronic products and power components and extend the service life of products.

### Property

As a green and environmentally friendly material, the product is mainly used in LED lighting and related electronic industries. H.SAC ceramic products can effectively solve the thermal conductivity and heat dissipation problems in the electronics and optoelectronics industries, and provide technical support and breakthroughs for the innovation and development of electronic products.

### Application

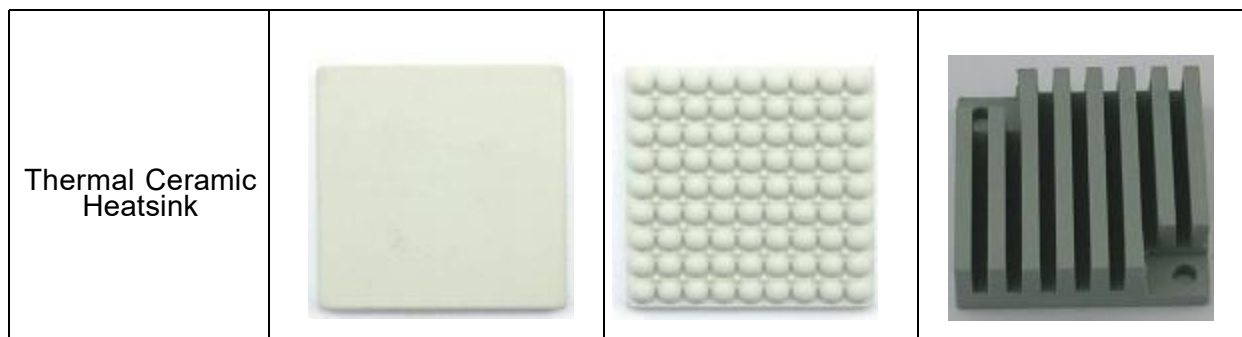
- Components: ICs, chipsets, CPU, MOS, SouthBridge
- LED: General (commercial) lighting heat sink
- TV: Thin LCD TV/Set-top box
- Network equipment: AP, Route, ADSL, Modern, S/W
- Information technology:M/B, NB, Video, Card
- Memory: DDR3-DIMM, SO-DIMM, SSD
- Power supply: Power module, Power transistor

### Size

Product size: Various shapes

## SC-CH

### Thermal Ceramic Heatsink



The above content and technical information are based on the experimental results of our company, but they are not used as legal interpretation or guarantee. Before use, users need to evaluate the application purpose and scope of the product.



## SC-CH

### Thermal Ceramic Heatsink

	Spec Items	Unit	Data	Test
Physical Properties	Density S.G.	g/cm <sup>3</sup>	2.0 ±0.05	GB/T 3810.3-2006
	Porosity	%	30	GB/T 3810.3-2006
Mechanical Properties	Mohs Hardness	Mohs	5~6	DIN EN101-1992
	Flexural Strength	MPa	87.82	GB/T 14389-14390
	Thermal Conductivity	w/m-k	>9	HOT DISK
	Max. Operating Temp.	°C	< 700	
Chemical Composition	SiC	Purity	>99%	
Various certifications	Dielectric Strength (DC)	Voltage	6.96kV/mm	IEC 60243-2:2001 SGS
	Dielectric Strength (AC)	Voltage	4.87kV/mm	ASTM D149-09 Method A / SGS
	RoHS		PASS (Report No. : GC130301375-GZ)	SGS
	Drop Test		PASS (Report No. : GZRL2012081591)	Drop high 700mm on 30×30mm PCB / SGS

The above content and technical information are based on the experimental results of our company, but they are not used as legal interpretation or guarantee. Before use, users need to evaluate the application purpose and scope of the product.

# SC-STG/DTG

## Thermal Conductive Gel

### Introduction

- SC-STG/DTG series thermal conductive gel is a paste-like gap-filling thermal conductive material. It is formed according to the shape of the structure; for uneven ceramic, radiator surface or irregular cavity, it has the best structural applicability and surface conformity of structural parts, and the gap is fully filled
- SC-STG/DTG series thermal conductive gel has good insulation and voltage resistance and thermal stability, and is safe and reliable to use
- SC-STG/DTG series thermal conductive gel can flow under pressure like silicone grease; it has high reliability under the action of thermal cycle and will not solidify

### Property

- Single component use
- No curing, high reliability
- Good application effect in irregular structure gaps
- Good electrical insulation, meeting the needs of electronic devices
- Good mechanical properties and weather resistance



### Application

- Communication equipment
- Storage equipment
- Mobile phones, smart watches
- Security equipment
- Network terminal
- LED lamps
- Power supply device



### One-Component Thermally Conductive Gel (SC-STG) Performance

Product Name	SC-STG400	SC-STG600	SC-STG800
Color	Vermillion	Yellow	Yellow
Thermal Conductivity (W/m ·K)	4.0±0.3	6.0±0.3	8.0±0.3
Density (g/cm³)	3.0	3.2	3.3
Extrusion Volume (g/min) 2.54mm syringe head, 90psi pressure (30cc can)	30±5	20±5	20±5
Breakdown Strength (kV/mm)	>5	>5	>5
Volume Resistivity (Ω ·cm)	9.5x 10 <sup>13</sup>	4x 10 <sup>13</sup>	4x 10 <sup>13</sup>
Operating Temperature (F/°C)	-40~150	-40~150	-40~150
Shipping Method	Syringe packaging (or canning) volume: 30cc /pc, 300cc /pc, 2600cc /pc		
Shelf Life (@25±5°C, 70%RH)	6 months		

The above content and technical information are based on the experimental results of our company, but they are not used as legal interpretation or guarantee. Before use, users need to evaluate the application purpose and scope of the product.

SC-DTG

Thermal Conductive Gel

Two-Component Thermal Conductive Gel（SC-DTG）Performance				
	SC-DTG180		SC-DTG350	
Pre-mixing Performance	A Group	B Group	A Group	B Group
Color	White	Yellow	White	Yellow
Viscosity (mPa• s)	250*10³	250*10³	200*10³	200*10³
Density (g/cm³)	2.65	2.65	2.75	2.75
Mixing Ratio	1:1		1:1	
Post-mixing Performance				
Color	Yellow		Yellow	
Hardness（Shore OO）	60(1:1after curing)		60(1:1 after curing)	
Thermal Conductivity（W/mK）	1.8		3.5	
Breakdown Strength（KV/mm）	>5		>5	
Flame Retardant Grade	UL94 V-0		UL94 V-0	
Operating Temperature（℃）	-40-150		-40-150	
Full Curing Time				
25℃（H）	5		15	
100℃(min)	15		40	

The above content and technical information are based on the experimental results of our company, but they are not used as legal interpretation or guarantee. Before use, users need to evaluate the application purpose and scope of the product.

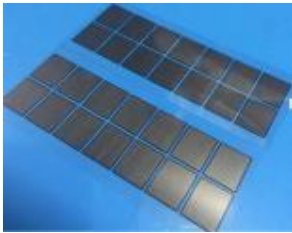
# Precision Die - Cutting



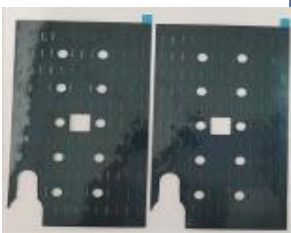
Professional small hole combination die cutting line, products that meet multiple punching requirements



CNC proofing machine, no need to make molds, saving mold costs for customers



Graphite double edge die cutting



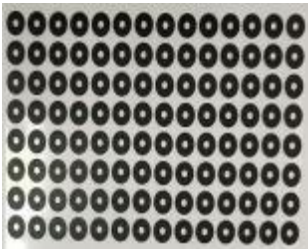
Graphite foam die cutting



Copper foil and aluminum foil die cutting



Thermal pad die cutting



PC gasket die cutting



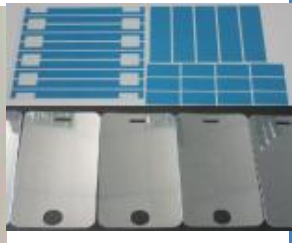
Insulation material die cutting



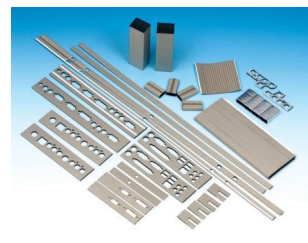
Double-sided adhesive die cutting



Camera backing adhesive die cutting



Protective film die cutting



Conductive foam

The above content and technical information are based on the experimental results of our company, but they are not used as legal interpretation or guarantee. Before use, users need to evaluate the application purpose and scope of the product.



**Your Success is our  
Pursuit**

**THANKS**



**SPEED SPREAD**  
**Electronic Materials Co., Ltd.**