



TIM

Thermal Interface Material

GST SERIES

The Best Solution for Efficient Thermal Management



Silicone Rubber
Expert
since 1970



One-stop Shop
Service



Professional
R&D Center

GST SERIES

The Best Solution for Efficient Thermal Management

Thermal conductive silicone sheet (GST series) is a composition of thermal conductive filler with silicone rubber. GST series use unique silicone oil and filler blending, providing high thermal conductivity, high absorbability, soft, self-sticky and smooth properties. When variable gaps occur, it can generate the minimal board and component stress.



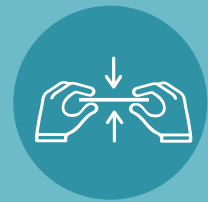
**Low
Thermal Resistance**



Heat Dissipation



Insulation



Slimming

- Between the temperature range that silicone can withstand (-40~200°C), the colloid will protect the electronic components from being short-circuit or yellowing when temperature shock happens.
- It can work continuously from -40 to 150°C without oil bleeding, and can act as shock absorber.
- Flammability rating: UL94 V-0
- Customized options: thermal conductivity, color, thickness, softness, etc.



[More information](#)



Application:

Equipments that require heat dissipation, such as electronic control board, IGBT module, air-condition system, automobile system module, electric vehicles (EVs), traditional industry mechanic, electronic components (IC, CPU, MOS) LED, motherboard, power supply, heat sink, LCD television, laptop, PC, DDR module, DVD devices, cell phones, etc.

SPECIFICATION

Property	Test Method	Unit	GST2010	GST2020	GST2030	GST2040
Type	-	-	PAD	PAD	PAD	PAD
Color	Visual	-	Red	Orange	Yellow	Green
Thickness(without film)	-	mm	0.5~3	0.5~3	0.5~3	0.5~3
Specific Gravity	-	-	2.06	2.29	2.59	2.72
Hardness	ASTM D2240	Shore 00	40	40	45~55	50~60

Thermal Test

Thermal Conductivity(K)	ASTM D5470	W/m°C	1	2	3	4
Thermal Impedance(I)	ASTM D5470	°C x in ² /W	0.506~1.711	0.358~0.856	0.268~0.756	0.248~0.653
Temperature Range	-	°C	-40~150	-40~150	-40~150	-40~150
UL Flammability	UL-94	-	V-0	V-0	V-0	V-0

Electrical Test

Surface Resistivity	ASTM D257	Ω	≥10 ¹¹	≥10 ¹¹	≥10 ¹¹	≥10 ¹¹
Breakdown Voltage	ASTM D149	KV	≥6	≥6	≥10	≥10

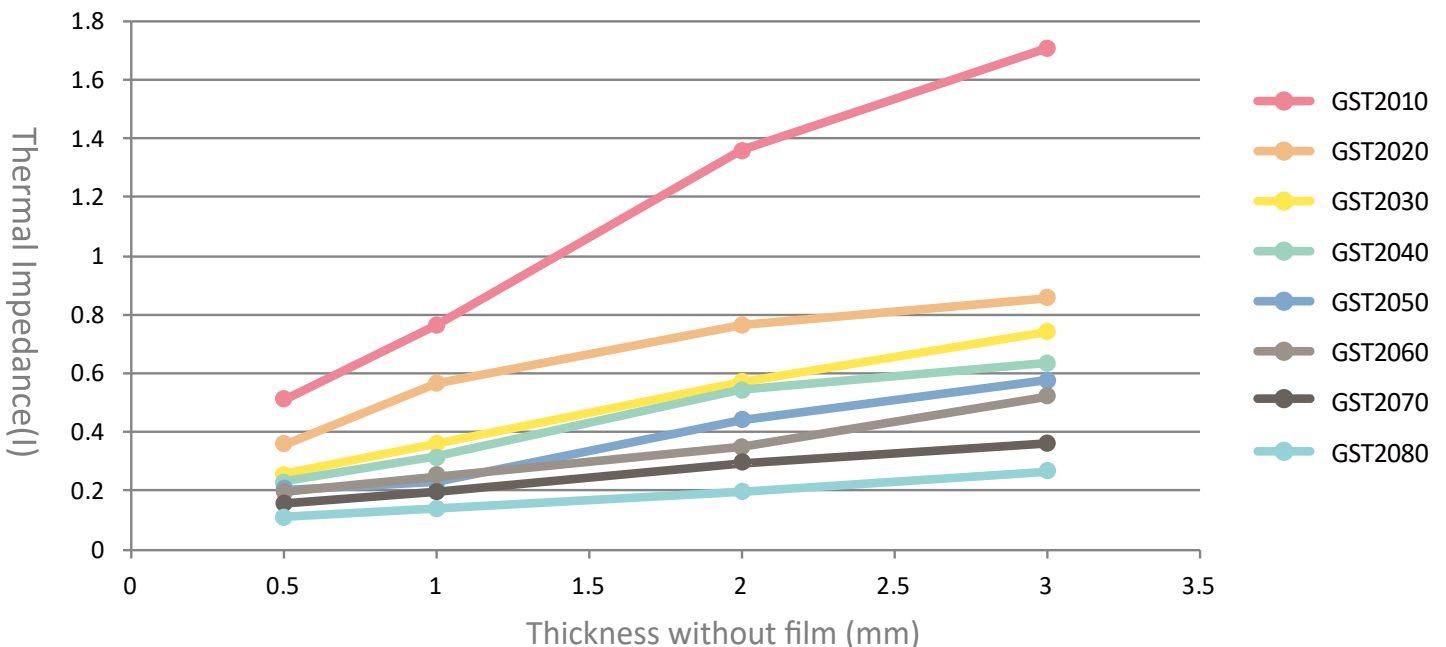
Property	Test Method	Unit	GST2050	GST2060	GST2070	GST2080
Type	-	-	PAD	PAD	PAD	PAD
Color	Visual	-	Blue	Light Gray	Gray	Cyan
Thickness(without film)	-	mm	0.5~3	0.5~3	0.5~3	0.5~3
Specific Gravity	-	-	2.95	3.05	3.1	3.2
Hardness	ASTM D2240	Shore 00	50~65	55~65	55~65	65

Thermal Test

Thermal Conductivity(K)	ASTM D5470	W/m°C	5	6	7	8
Thermal Impedance(I)	ASTM D5470	°C x in ² /W	0.195~0.523	0.201~0.575	0.156~0.361	0.11~0.265
Temperature Range	-	°C	-40~150	-40~150	-40~150	-40~150
UL Flammability	UL-94	-	V-0	V-0	V-0	V-0

Electrical Test

Surface Resistivity	ASTM D257	Ω	≥10 ¹¹	≥10 ¹¹	≥10 ¹¹	≥10 ¹¹
Breakdown Voltage	ASTM D149	KV	≥10	≥10	≥10	≥10



SERVICE SITES

HEADQUARTERS

GENERAL SILICONES CO., LTD.

No.9-1, Lane 52, Nan-Kang St., Hsiang-Shan,
Hsin-Chu City, Taiwan
Tel: +886-3-537-2181

HSINCHU PLANT I, TAIWAN

No.7, Lane 52, Nan-Kang St., Hsiang-Shan,
Hsin-Chu City, Taiwan
Tel: +886-3-537-2181
Fax: +886-3-537-3016

WUJIANG PLANT, CHINA

WUJIANG GENERAL SILICONES CO., LTD.

No. 168 Youdong Road, Fenhu Development Zone,
Wujiang District, Suzhou City, Jiangsu Province, China
Tel: +86-512-8285-9688

BAC GIANG PLANT, VIETNAM

GENERAL SILICONES (VN) CO., LTD.

CN 06-32, Lot CN-06, Van Trung Industrial Park, Van
Trung Commune, Viet Yen Dist., Bac Giang Province,
Vietnam
Tel: +84-204-626-3088



GS Website



Facebook



LinkedIn

