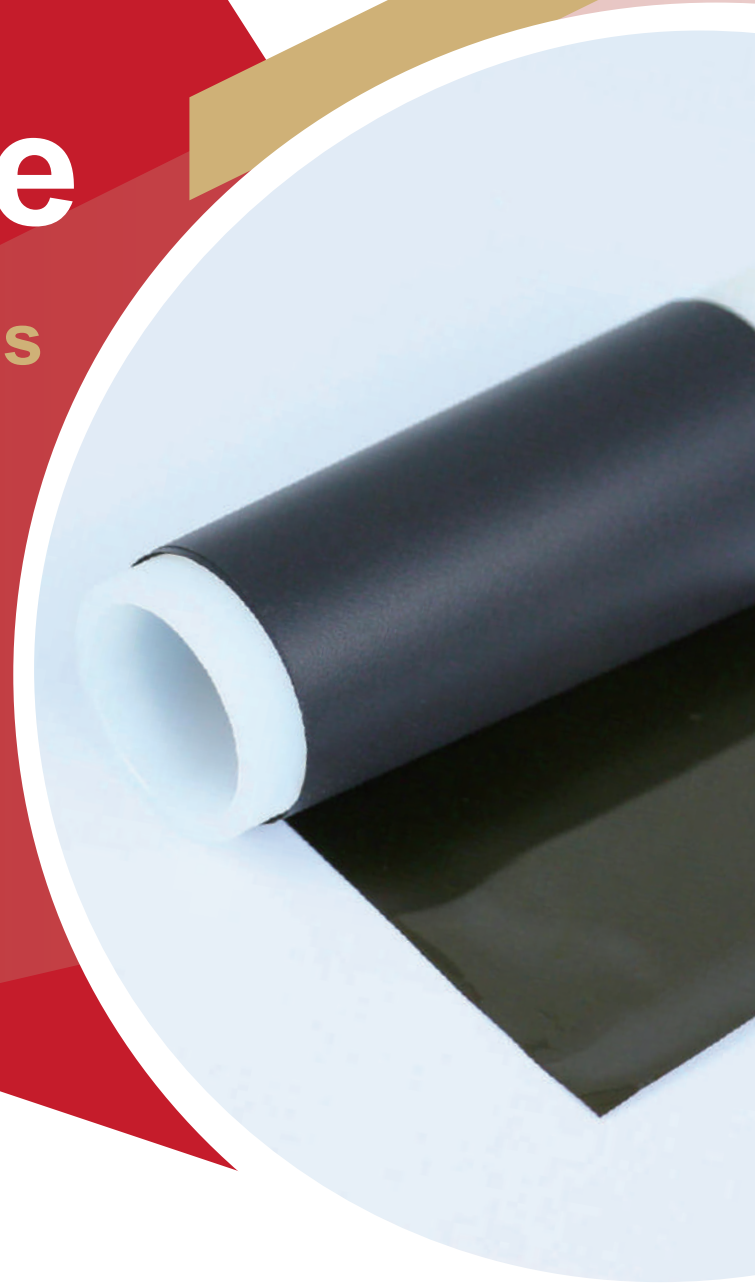


Product Catalogue

Silicone Sheet & Pads



Part of your life



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GENERAL SILICONES

Experienced ODM/ OEM of Silicone Rubber Products since 1970

通用矽酮股份有限公司成立於1970年，為專業矽橡膠解決方案的提供者，能為客戶提供多元化的矽膠產品解決方案。秉持著超過半世紀對於矽膠原料的技術優勢，通用矽酮能即時為客戶提供最適當的高品質產品，其應用領域含括汽車、工業電子、消費電子、OA設備、醫學、IT產業等，多樣化產品行銷全球，多年來深受客戶好評。

General Silicones Co., Ltd (GS) was founded in 1970. As a professional silicone rubber solution provider, GS is able to provide customers with a wide variety of solutions to their silicone product. Leveraging over half a century of technical expertise in silicone raw materials, GS can promptly deliver the most suitable high-quality products to customers. Its applications include automotive, industrial electronics, consumer electronics, OA equipment, medical, and IT industry, etc. GS's diverse range of products are sold globally and have earned high praise from customers for many years.

秉持著對產品的高度要求，通用的矽膠產品皆在優質的管理系統中生產，此系統已通過下列國際或行業標準之驗證：

Adhering to high standards for products, GS manufactures all silicone parts within a high-quality management system that has been verified against the following international or industry standards:



For General Purpose



For Automotive



For Environment

一站式服務

ONE-STOP SHOP SERVICE

- 矽膠原料配方技術 Formula Design& Material Compound
- 開模設計能力 Tool Design& Machining
- 專業製程設計能力 Multiple Molding Processes
模壓成型、射出成型、擠出成型、壓延成型
Compression molding, Injection molding, Extrusion molding, Sheet calendering
- 客製表面加工處理 Customized Surface Treatment
- 嚴謹完善的品質管控 Strict and Complete Quality Management System

ACF熱壓緩衝材

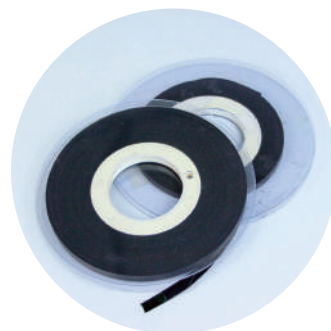
ACF BONDING SHEET

熱壓著緩衝墊系列產品 (GSC Series) 主要應用在LCD module (OLB、PCB) 製程上，作為異方性導電膜 (ACF) 的熱壓著緩衝使用，目的在將熱壓頭之高溫傳導至ACF使其軟化固化並產生黏著效果，以及作為熱壓頭的接觸緩衝材料。

The ACF bonding sheet (GSC series) is mainly applied to LCD modules (OLB, PCB) manufacturing process as a thermal pressing cushioning for ACF. The series aims to transfer the high temperature from the bonding head to the ACF in order to soften and solidify it, creating an adhesive effect. The series also serves as a contact cushioning material for the thermal pressing head.

【產品特色 Product Features】

- 優異耐熱 Outstanding thermal resistance
- 耐久性 Durability
- 導熱性好 Good thermal conductivity
- 離型性佳 Good release properties
- 表面潔淨平整 Clean and smooth surface



【應用範圍 Applications】

主要應用於面板產業，產品包括OLED、LCD、LCD TV等面板之壓合製程。

The series is mainly applied to panel industry, include lamination processes for panels such as OLED, LCD display and LCD TVs.

【產品規格 Specifications】

GSC8201 Series

項目 Item	測試方式 Methods	單位 Unit	GSC8201				
厚度 Thickness	ASTM D374	mm	0.20	0.25	0.30	0.35	0.45
顏色 Color	Visual	-	黑色Black				
硬度 Hardness	ASTM D2240	Shore A	75 ± 5				
比重 Specific gravity	ASTM D792	-	1.8 ± 0.1				
抗拉強度 Tensile strength	ASTM D412	Kgf/cm ²	> 60				
撕裂強度 Tear strength	ASTM D624	Kgf/cm	> 13				
延伸率 Elongation	ASTM D412	%	> 60				
耐電壓 Breakdown voltage	ASTM D149	KV	1.2				
表面電阻 Surface resistance	ASTM D257	Ω	10 ⁶ ~10 ¹⁰				
介電常數 Dielectric constant	ASTM D150-98	-	232				
介電消散 Dielectric loss factor	ASTM D150-98	-	0.356				
介電強度 Dielectric strength	ASTM D149	KV/mm	6.9				
導熱係數 Thermal conductivity	ASTM D5470	W/mk	0.63				
熱阻抗 Thermal impedance	ASTM D5470	°C-in ² / W	0.44	0.46	0.58	0.68	0.79

*此產品抗靜電 Anti-static



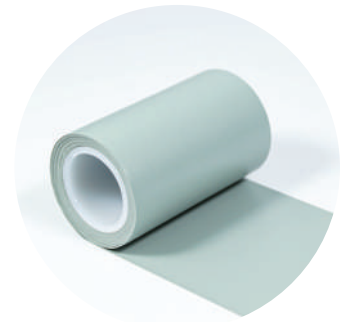
矽橡膠 Silicone Rubber

GSC8206 Series

項目 Item	測試方式 Methods	單位 Unit	GSC8206			
厚度 Thickness	ASTM D374	mm	0.20	0.25	0.30	0.45
顏色 Color	Visual	-	綠色Green			
硬度 Hardness	ASTM D2240	Shore A	60±5			
比重 Specific gravity	ASTM D792	-	1.7			
抗拉強度 Tensile strength	ASTM D412	Kgf/cm ²	> 65			
撕裂強度 Tear strength	ASTM D624	Kgf/cm	> 20			
延伸率 Elongation	ASTM D412	%	> 200			
表面電阻 Surface resistance	ASTM D257	Ω	> 10 ¹²			
導熱係數 Thermal conductivity	ASTM D5470	W/mk	0.3			
熱阻抗 Thermal impedance	ASTM D5470	°C-in ² /W	0.73	0.81	0.9	1.25



矽橡膠 Silicone Rubber



GSC8301

項目 Item	測試方式 Methods	單位 Unit	GSC8301			
厚度 Thickness	ASTM D374	mm	0.52	0.35	0.38	0.45
顏色 Color	Visual	-	黑色Black / 棕色Brown			
硬度 Hardness	ASTM D2240	Shore A	66±5 (Silicone rubber)			
比重 Specific gravity	ASTM D792	-	1.93±0.1			
抗拉強度 Tensile strength	ASTM D412	Kgf/cm ²	> 135			
撕裂強度 Tear strength	ASTM D624	Kgf/cm	> 30			
延伸率 Elongation	ASTM D412	%	< 10			
表面電阻 Surface resistance	ASTM D257	Ω	10 ⁵ /10 ¹⁴			
導熱係數 Thermal conductivity	ASTM D5470	W/mk	0.35			
熱阻抗 Thermal impedance	ASTM D5470	°C-in ² /W	0.61	0.80	0.83	0.86

*鐵氟龍玻纖矽膠複合材Teflon glass fiber silicone rubber composite material

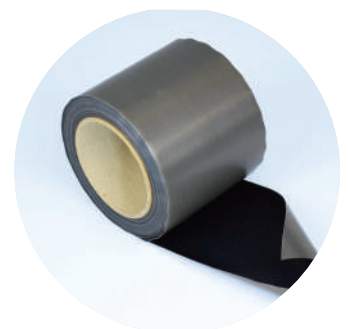


矽橡膠 Silicone Rubber

0.2~0.4mm, Black

鐵氟龍玻纖 Teflon Glass Fiber

0.05/0.08 mm, Brown



GSC8401 Series

項目 Item	測試方式 Methods	單位 Unit	GSC8401			
厚度 Thickness	ASTM D374	mm	0.20	0.35	0.40	0.45
顏色 Color	Visual	-	黑色Black			
硬度 Hardness	ASTM D2240	Shore A	70±5			
比重 Specific gravity	ASTM D792	-	1.84			
抗拉強度 Tensile strength	ASTM D412	Kgf/cm ²	> 280			
撕裂強度 Tear strength	ASTM D624	Kgf/cm	> 30			
延伸率 Elongation	ASTM D412	%	< 10			
體積阻抗率 Volume resistivity	ASTM D257	Ω-cm	10 ⁵			
導熱係數 Thermal conductivity	ASTM D5470	W/mk	0.35			
熱阻抗 Thermal impedance	ASTM D5470	°C-in ² / W	0.35	0.64	0.75	0.82

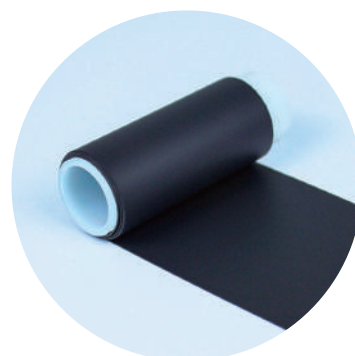


矽橡膠 Silicone Rubber

玻纖 Glass Fiber

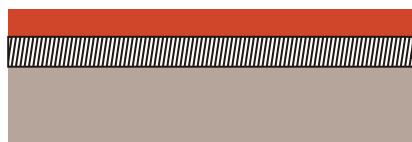
0.06mm

矽橡膠 Silicone Rubber



GSC84016 Series

項目 Item	測試方式 Methods	單位 Unit	GSC84016-025
厚度 Thickness	ASTM D374	mm	0.25
顏色 Color	Visual	-	紅色Red / 灰色Gray
硬度 Hardness	ASTM D2240	Shore A	80
比重 Specific gravity	ASTM D792	-	1.82
抗拉強度 Tensile strength	ASTM D412	Kgf/cm ²	298
撕裂強度 Tear strength	ASTM D624	Kgf/cm	33.2
延伸率 Elongation	ASTM D412	%	2.01
表面電阻 Surface resistance	ASTM D257	Ω	10 ¹⁴
熱阻抗 Thermal impedance	ASTM D5470	°C-in ² / W	0.89



矽橡膠 Silicone Rubber

玻纖 Glass Fiber

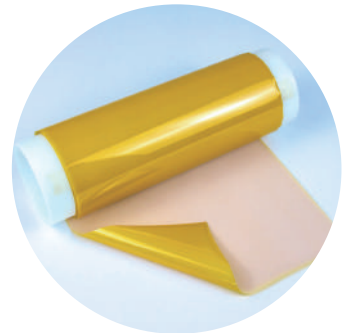
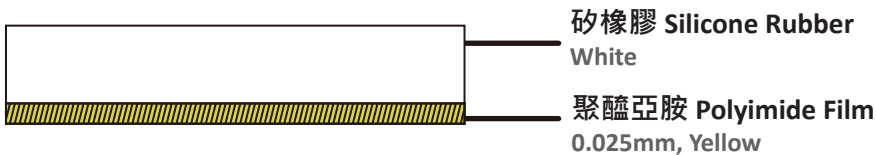
0.06mm

矽橡膠 Silicone Rubber



GSC86012 Series

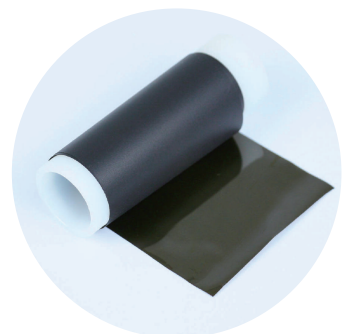
項目 Item	測試方式 Methods	單位 Unit	GSC86012-020
厚度 Thickness	ASTM D374	mm	0.2 ± 0.03
顏色 Color	Visual	-	白色White / 黃色Yellow
硬度 Hardness	ASTM D2240	Shore A	70 ± 5
比重 Specific gravity	ASTM D792	-	1.33 ± 0.1
抗拉強度 Tensile strength	ASTM D412	Kgf/cm ²	> 450
撕裂強度 Tear strength	ASTM D624	Kgf/cm	> 80
延伸率 Elongation	ASTM D412	%	40~50
表面電阻 Surface resistance	ASTM D257	Ω	> 10 ¹²
導熱係數 Thermal conductivity	GS-method	W/mk	0.17 ± 0.02
熱阻抗 Thermal impedance	ASTM D5470	°C-in ² / W	0.9 ± 0.05



GSC8603 Series

項目 Item	測試方式 Methods	單位 Unit	GSC8603-010
厚度 Thickness	ASTM D374	mm	0.1
顏色 Color	Visual	-	黑色Black / 黃色Yellow
硬度 Hardness	ASTM D2240	Shore A	55
比重 Specific gravity	ASTM D792	-	1.07
抗拉強度 Tensile strength	ASTM D412	Kgf/cm ²	519.83
撕裂強度 Tear strength	ASTM D624	Kgf/cm	91.42
延伸率 Elongation	ASTM D412	%	48.18
表面電阻 Surface resistance	ASTM D257	Ω	10 ⁵
導熱係數 Thermal conductivity	GS-method	W/mk	0.07
熱阻抗 Thermal impedance	ASTM D5470	°C-in ² / W	0.54
RoHS(Cd/Pb/Hg/Cr ⁶⁺ /PBBs/PBDEs)	IEC 62321/2nd CDV	ppm	ND
RoHS(全氟辛烷磺酸 PFOS)	US EPA 3541C	ppm	ND

*鐵氟龍玻纖矽膠複合材Teflon glass fiber silicone rubber composite material



矽膠導電片系列

ELECTRO-CONDUCTIVE PAD

導電矽膠片 (GSE Series) 以導電碳黑填充矽膠組成，體積電阻率介於 $2\sim 10\Omega\cdot\text{cm}$ ，可作為EMI及ESD的防護功能。

The electro-conductive pad (GSE) is composed of conductive carbon black-filler silicone rubber with volume resistivity ranging from $2\sim 10\ \Omega\cdot\text{cm}$. Therefore, the series serves as protection for EMI and ESD purposes.

【產品特色 Product Features】

- 柔軟 Softness
- 耐高溫 High-temperature resistance
- 導電性佳 Good electrical conductivity
- 良好的緩衝效果 Good cushioning effect

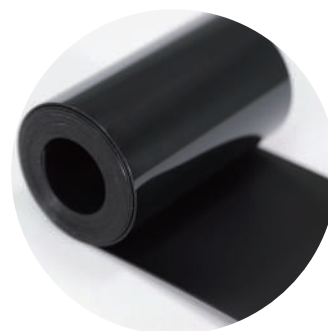
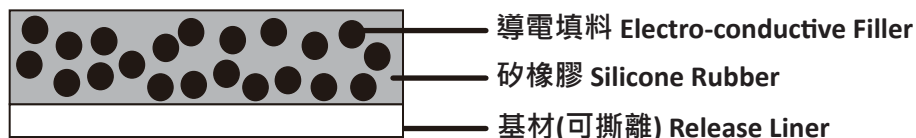
【應用範圍 Applications】

適合於製造導電性能好、形狀複雜、結構精細的導電矽膠製品，例如：消費性電子產品的導電零組件、工業導電緩衝墊等。目前已廣泛應用消費性電子、面板、工業、醫療、軍事等產業。

The series is suitable for manufacturing high-conductivity, intricately shaped, and structurally detailed conductive silicone products, such as conductive components for consumer electronics, industrial conductive cushioning pads, etc. It is currently widely utilized in industries such as consumer electronics, panels, industrial, medical, military, etc.

【產品規格 Specifications】

項目 Item	測試方式 Methods	單位 Unit	GSE1606	GSE1703
厚度 Thickness	ASTM D374	mm	0.20	0.30
顏色 Color	Visual	-	黑色Black	黑色Black
硬度 Hardness	ASTM D2240	Shore A	60 ± 5	65 ± 5
比重 Specific gravity	ASTM D792	-	1.17 ± 0.1	1.17 ± 0.1
體積抗阻率 Volume resistivity	ASTM D257	$\Omega\cdot\text{cm}$	$4\sim 10$	$2\sim 5$
抗拉強度 Tensile strength	ASTM D412	Kg/cm^2	> 35	> 40
撕裂強度 Tear strength	ASTM D624	Kg/cm	> 7	> 7
延伸率 Elongation	ASTM D412	%	> 180	> 180



發泡矽膠片系列

SILICONE FOAM

發泡矽膠片 (GSF Series) 為矽膠添加發泡劑，加熱後產生氣泡所製成的矽膠片；在矽膠可承受的工作溫度範圍(-20~200℃)下具有良好的緩衝性、隔熱與隔音性，也不會黃變等特性。

The silicone foam (GSF series) is a silicone sheet made by adding a foaming agent to silicone, which forms bubbles when heated. It exhibits excellent cushioning, heat insulation, and soundproofing, anti-yellowing properties within the working temperature range that silicone can withstand (-20~200℃).

【產品特色 Product Features】

- 質輕 Lightweight
- 緩衝能力強、彈性好 Strong cushioning ability and good elasticity
- 隔熱與隔音能力 Heat insulation and soundproofing capabilities
- 無毒、耐候性佳、抗黃變 Non-toxic, good weather resistance, anti-yellowing

【應用範圍 Applications】

常應用於高低溫隔音材、保溫材、墊片、密封材與緩衝材等用途。

The series is commonly used in applications such as high and low-temperature sound insulation, insulation materials, gaskets, sealing materials, and cushioning materials.

【產品規格 Specifications】

項目 Item	測試方式 Methods	單位 Unit	GSF1223	GSF1231	GSF1237
厚度 Thickness	ASTM D374	mm	1±0.5	3.5±1.5	2±0.2
顏色 Color	Visual	-	All	All	All
硬度 Hardness	ASTM D2240	Type 00	30±10	35±5	70±10
比重 Specific gravity	ASTM D792	-	0.5±0.1	0.35±0.1	0.4±0.1
抗拉強度 Tensile strength	ASTM D412	Kgf/cm ²	> 8.6	> 3	> 20
延伸率 Elongation	ASTM D412	%	> 450	> 300	> 300
壓縮歪 Compression set (Compression 40% for 22hrs at 100℃)	GS-method	%	< 15	< 5	< 5
阻燃等級 Flame rating	UL 94	-	HB	HB	HB



發泡矽橡膠 Silicone Rubber Foam

基材(可撕離) Release Liner



遮光片系列

LIGHT SHIELD SHEET

遮光片系列產品 (GSP Series) 具有緩衝、止滑、絕緣、避免漏光、間隔填縫等功能，以矽膠為主，具有低、中、高三種摩擦係數供客戶選用，並可客製化選配PET 強化載體。

The light shield sheet series (GSP series) offers functions including cushioning, anti-slip, insulation, opaque and gap filling properties with silicone as the primary material. The series is available in low, medium, and high friction coefficients for customer choice and can be customized with PET reinforced carrier.

【產品特色 Product Features】

- 緩衝、止滑、絕緣、平整、避免漏光 Cushioning, anti-slip, insulation, smooth, and opaque
- 完成產品組裝後，模組固定不滑動
After completing the product assembly, the module remains securely fixed in place without sliding.
- 品重工時，模組易重製組裝
When the product needs reworking, the module is easy to disassemble and reassemble.
- 具有低、中、高三種摩擦係數供客戶選用 The series is available in low, medium, and high.

【應用範圍 Applications】

產品主要用於LCD、LED等光電產業，其應用產包括LCD螢幕、LCD 電視、筆記型電腦螢幕、手持式電子產品等。

The product is mainly applied in the optoelectronic industry, including LCD screens, LCD TVs, laptop computer screens, handheld electronic products, etc.

【產品規格 Specifications】

項目 Item	測試方式 Methods	單位 Unit	GSP 2003	GSP 2018	GSP 2050	GSP 2010	GSP 2012
矽膠表面紋路 Silicone surface texture	Visual	-	Coating面 Coating surface			咬花面 Nibbling surface	
靜摩擦係數 Static friction coefficient	ASTM D1894	μ	< 0.5	0.5~2.5	> 5	0.5~1.5	0.9~2
矽膠硬度 Silicone hardness	ASTM D2240	Shore A	30~80				
操作溫度 Operating temperature	EN344	°C	-25~120				
顏色 Color	Visual	-	White / Dark / Gray (不透光Opaque)				
抗拉強度 Tensile strength	ASTM D412	Kgf/cm ²	49~89				
伸長率 Elongation	ASTM D412	%	10~500				
基材 Substrate	-	-	PET film				
PET 基材厚度 PET substrate thickness	ASTM D374	mm	0.05 / 0.075				
總厚度 Total thickness	ASTM D374	mm	0.15~3.0				
阻然等級-橡膠層 Flame retardant grade rubber layer	UL 94	-	HB				



導熱矽膠片

THERMAL INTERFACE MATERIAL

導熱矽膠片 (GST Series) 為新型的散熱片產品，以導熱絕緣材填充矽膠組成，具有柔軟微黏的極佳操作性，當產品間隙變化時，可產生最小電路板與組件間之應力，達到填縫、吸振緩衝、高導熱等複合效果。

The thermal interface material (GST series) is a composed of thermal conductive insulating material filled with silicone. It offers excellent operability and slight adhesive property, minimizing stress between the circuit board and components when there are variations in product clearances. This results in a composite effect, including gap filling, vibration absorption, and high thermal conductivity.

【產品特色 Product Features】

- 極低量的出油性，可長時間用於不同的工作溫度區間(-40 to 150 °C)

It has extremely low oil bleeding characteristic and can be used within various operating temperature ranges (-40 to 150 °C) for a long time.

- 阻燃等級UL94 V-0，擁有低熱阻、高散熱、絕緣、無毒與柔軟等特性，可作為吸振緩衝導熱材使用。

UL94 V-0 flame retardant rating, with low thermal resistance, high heat dissipation, insulation, non-toxic, and flexible characteristics, making it suitable for use as a vibration-damping, cushioning, and thermal conductive material.

- 在矽膠可承受的工作溫度範圍 (-40-200°C) 下，膠體不會因為溫度驟變而使元件短路，亦不會出現黃變現象。

Within the working temperature range that silicone can endure (-40-200°C), the colloid will not cause components to short circuit because of sudden temperature changes, and it will also not yellowing.



【應用範圍 Applications】

需要導熱的各類型器材中，如電子元件載板、空調散熱系統、車用系統散熱模組、大型機械散熱模組、電子元件 (IC, CPU, MOS)、發光二極體、主機板、電源供應器、散熱鰭片、液晶電視、筆記型電腦、記憶體模組、DVD設備與手機等。

Devices that require thermal conductivity, such as electronic control board, air conditioning system, automotive cooling system module, electric vehicle (EVs), large-scale mechanical cooling module, electronic components (IC, CPU, MOS), LED, motherboard, power supply, heat sink, LCD TVs, laptop, memory module, DVD equipments, cell phones, etc.

【產品規格 Specifications】

Property	Test Method	Unit	GST2010	GST2020	GST2030	GST2040	GST2050	GST2060	GST2070	GST2080
Type	-	-	PAD	PAD	PAD	PAD	PAD	PAD	PAD	PAD
Color	Visual	-	Red	Orange	Yellow	Green	Blue	Light Gray	Gray	Cyan
Thickness (without film)	-	mm	0.5~3	0.5~3	0.5~3	0.5~3	0.5~3	0.5~3	0.5~3	0.5~3
Specific gravity	-	-	2.06	2.29	2.59	2.72	2.95	3.05	3.1	3.2
Hardness	ASTM D2240	Shore 00	40	40	40	50	50~65	55~65	55~65	65
Thermal Test										
Thermal conductivity (K)	ASTM D5470	W/m°C	1	2	3	4	5	6	7	8
Thermal impedance (I)	ASTM D5470	°C x in ² /W	0.506~1.711	0.358~0.856	0.213~0.761	0.324~0.744	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	-40~150	-40~150	-40~150	-40~150
UL flammability	UL-94	-	V-0	V-0	V-0	V-0	V-0	V-0	V-0	V-0
Electrical Test										
Surface resistivity	ASTM D257	Ω	≥10 ¹¹	≥10 ¹¹	≥10 ¹¹	≥10 ¹¹	≥10 ¹¹	≥10 ¹¹	≥10 ¹¹	≥10 ¹¹
Breakdown voltage	ASTM D149	KV	≥6	≥6	≥6	≥6	≥6	≥6	≥6	≥6

通用型矽膠片系列

GENERAL PURPOSE SILICONE SHEET

通用型矽膠片系列適用於各式產業應用，能依據客戶所需的矽膠特性，製作成各種矽膠壓延板材與薄膜成品。

The general purpose silicone sheet series is suitable for various industrial applications and can be customized to produce various silicone calendered sheets and thin films according to the silicone characteristics required by customers.

低硬度系列

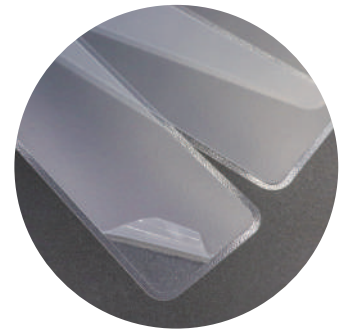
Low Hardness Series

低硬度系列之產品硬度均控制在 $15\pm 5^\circ$ shore A，採用符合安全衛生的食品級矽膠原料製造，具有極佳止滑性、延展性，為優良的綠色環保應用材料，非常適合應用於各式民生消費性產品，如各類型止滑墊、矽膠握把帶、護腕護膝保護帶等。

Hardness of products with low hardness is controlled within $15\pm 5^\circ$ Shore A. The series uses food-grade silicone materials that comply with safety and hygiene standards, exhibiting excellent slip resistance and ductility. The series also serves as outstanding eco-friendly materials, well-suited for various consumer products, including non-slip mats, silicone handle grips, wristbands, knee braces, etc.

【產品特色 Product Features】

- 極佳止滑性與延展性 Excellent slip resistance and ductility
- 耐溫性 Temperature resistance
- 良好的附著力 Nice adhesion
- 柔軟度 Softness



【產品規格 Specifications】

項目 Item	測試方式 Methods	單位 Unit	GSG9605	GSG9606	GSG9607
顏色 Color	Visual	-	黑色Black	透明 Transparent	透明 Transparent
比重 Specific gravity	ASTM D792	g/cm ³	1.08~1.42	-	-
硬度 Hardness	ASTM D2240	Shore A	15 ± 5	15 ± 5	12 ± 5
厚度 Thickness	ASTM D374	mm	0.7 ± 0.1	0.25 ± 0.1	
延伸率 Elongation	ASTM D412	%	100~500	500~1000	
體積抗阻 Volume resistivity	ASTM D257	MΩ-cm	5.0 *10 ⁶ ~ 1.0*10 ⁷	-	
耐電壓 Breakdown voltage	ASTM D149	KV/mm	22~24	> 6	
操作溫度 Operating temperature	EN344	℃	- 40~200		
抗拉強度 Tensile strength	ASTM D412	Kgf/cm ²	40~80		

工業用矽膠板材

Industrial Silicone Sheet

工業用矽膠熱壓緩衝材以兩層低壓縮歪的矽膠層為主，中間夾玻纖布做為強化載體，具有良好的耐溫、耐候、緩衝、耐用與抗黃變等特性，常應用於PCB板廠壓合與FPC板廠快壓機壓合製程中。

The industrial silicone bonding sheet primarily consists of two layers of low compression set silicone with glass fiber sandwiched in the middle as a reinforcing carrier, possessing excellent temperature resistance, weather resistance, cushioning properties, durability, and anti-yellowing. The series is primarily used in press lamination process in PCB factories and rapid press process in FPC board factories.

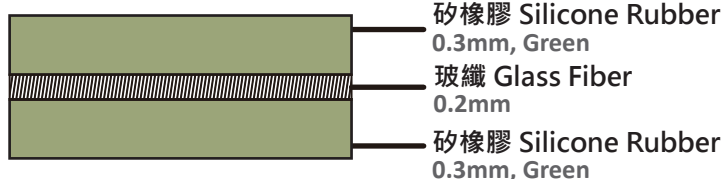
【產品特色 Product Features】

- 含玻璃纖維強化矽膠片，耐用度高 Glass fiber reinforced silicone sheet with high durability
- 緩衝能力強、彈性佳 Strong cushioning capacity and good elasticity
- 耐溫、耐壓性好 Good temperature resistance and pressure resistance
- 無毒、耐候性佳、不黃變 Non-toxic, good weather resistance, anti-yellowing

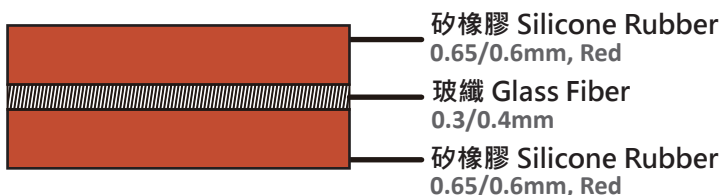
【產品規格 Specifications】

項目 Item	測試方式 Methods	單位 Unit	GSG3360H80	GSG3380R160
顏色 Color	Visual	-	綠色 Green	紅色 Red
硬度 Hardness	ASTM D2240	Shore A	75 ± 5	82 ± 3
厚度 Thickness	ASTM D374	mm	0.8	1.6 ± 0.1
比重 Specific gravity	ASTM D792	-	1.3	1.3
抗拉強度 Tensile strength	ASTM D412	Kgf/cm ²	> 340	368.34
撕裂強度 Tear strength	ASTM D624	Kgf/cm	> 75	75.87
延伸率 Elongation	ASTM D412	%	> 2.2	1.72
表面電阻 Surface resistance	ASTM D257	Ω	> 10 ¹²	> 10 ¹²
阻燃等級 Flameretardant grade	UL 94	-	HB	HB
RoHS(Cd/Pb/Hg/Cr ⁶⁺ /PBBs/PBDEs)	IEC 62321/2nd CDV	ppm	ND	ND
RoHS(全氟辛烷磺酸 PFOS)	US EPA 3541C	ppm	ND	ND

• GSG3360系列



• GSG3380系列



透明/半透明系列

Transparent/Translucent Series

高透明和半透明矽膠板材產品符合消費市場綠色環保的產品需求，可以廣泛的應用於各式3C電子產品保護和民生消費用品上。

The highly transparent and translucent silicone sheet products meet the green and eco-friendly product demands of consumer market. The series can be widely applied in protection of various electronic products and consumer goods.

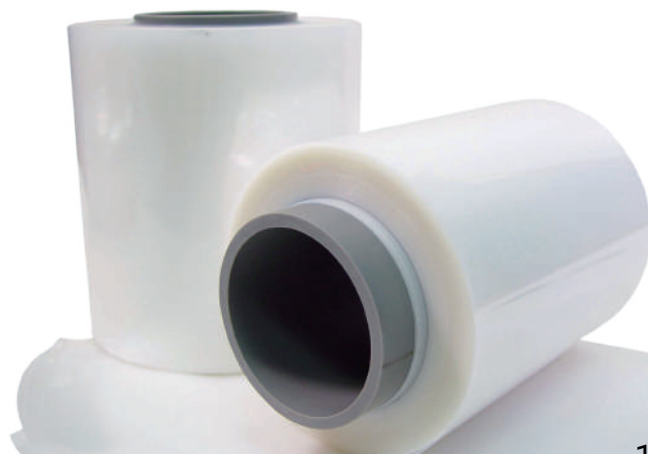
【產品特色 Product Features】

- 底吸附性 Bottom adsorbability
- 極佳的透光性 Excellent transparency
- 抗炫光 Anti-dazzle
- 防水絕緣 Waterproof and insulation
- 表面平滑 Smooth surface



【產品規格 Specifications】

項目 Item	測試方式 Methods	單位 Unit	GSG5100C	GSG5100T
顏色 Color	Visual	-	透明 Transparent	半透明 Translucent
硬度 Hardness	ASTM D2240	Shore A	80~90	50~70
厚度 Thickness	ASTM D374	mm	0.15~2.0	
抗拉強度 Tensile strength	ASTM D412	Kgf/cm ²	89	49~89
延伸率 Elongation	ASTM D412	%	320~330	350
體積抗阻 Volume resistivity	ASTM D257	MΩ-cm	5.0*10 ⁶ ~1.0*10 ⁷	
操作溫度 Operating temperature	EN344	°C	-25~120	
阻燃等級 Flame retardant grade	UL 94	-	HB	



民生矽膠產品

Daily Living Product

通用矽酮可依據客戶需求，提供各式民生矽膠產品的客製化服務，例如廚房止滑墊、桌墊、鍵盤保護膜、托盤墊、各種造型墊、鞋墊、矽膠美容面膜、矽膠保鮮膜等。

General Silicones (GS) offers customized services for all kind of silicone consumer goods such as non-slip kitchen mats, desk mats, keyboard cover films, tray mats, mats in various designs, silicone insoles, silicone beauty masks, silicone food wraps, etc.

【產品特色 Product Features】

- 使用溫度範圍廣 Wide temperature range of use(-40~250°C)
- 優異的化學品抗性 Excellent chemical resistance
- 高撓曲性 High flexibility and bending properties
- 耐候性佳 (抗紫外線) Good weather-resistant (anti-UV)
- 客製化顏色 Customized colors
- 高透氣性 High air permeability
- 環保材質、無色、無味 Eco-friendly material, colorless, and odorless
- 抗臭氧 Ozone resistance (at 40°C & 2% : 70hrs)

【應用範圍 Applications】

- 鞋墊 Insole
- 矽膠保鮮膜 Silicone cling film
- 桌墊 Table mat
- 鍵盤保護膜 Keyboard protector
- 車用止滑墊 Car anti-slip mat
- 杯墊 Coasters
- 滑鼠墊 Mouse pad
- 矽膠美容面膜 Silicone beauty mask



矽膠板材客製化開發

Custom Sheet

依照客戶的需求，提供客製化的產品服務。

GS offers customized products according to customers' specific demands.

製程能力 Process Capability

【厚度 Thickness】

- 壓延厚度 Calendering thickness : 0.05 ~ 3 mm
- 最適厚度 Most applicable thickness : 0.1 ~ 1.0 mm

【寬度 Width】

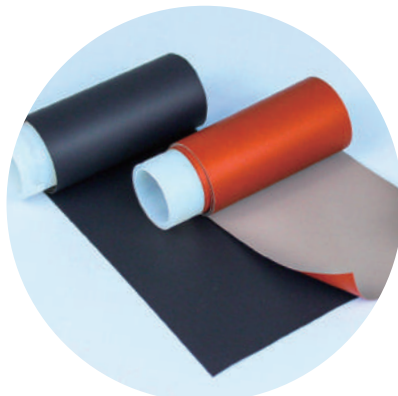
- 最大寬度 Maximum usable width : 1350 mm
- 最適寬度 Most applicable width : 60~ 1250 mm (裁切寬度範圍 Cutting width range)

【硬度& 顏色 Hardness& Color】

- 可接受客製化 Customization

【表面處理 Surface Treatment】

- 上膠塗佈 Gravure coating
- 噴塗塗佈 Spray coating
- 薄膜或是壓花輪轉印 Thin film or embossment wheel transfer



Compo-SiL®

Part of your life

Website



憑藉 50 多年的矽材料開發經驗，並秉承公司 "協助改善我們的生活品質，進而創造一個零污染的環境空間給我們的下一代" 的使命，通用矽酮開發出全新的專利矽膠複合材料：**Compo-SiL®**，解決了矽膠與其他基材的黏合問題。作為一種新興材料，**Compo-SiL®** 具有無限的可能性。

With more than 50 years of experience in silicone material development and in line with the company's mission to " Help improve our lives quality, and leave the next generation a Pollution-Free environment. " GS has developed an innovative patented silicone composite material known as **Compo-SiL®**, making a breakthrough in solving the problem of silicone bonding with other substrates or materials. As an emerging material, **Compo-SiL®** holds unlimited possibilities.

【產品特色 Product Features】

- 可與其他異材質表面貼合
Able to bond with other surfaces that are incompatible with silicone substrates
- 可進行印刷，產品設計多樣化 More easily applicable to printing processes
- 適用Roll-to-Roll製程 Suitable for Roll-to-Roll manufacturing
- 永續的環保無毒材料 Sustainable and non-toxic material
- 矽膠材料-延長產品使用壽命 Enhance product durability, prolong product lifespan
- 客製化產品顏色及表面紋路
A wide range of customized options including color and surface textures
- 可延伸抗菌、導電、阻燃等，其他不同功能應用產品類型
Different functions including antibacterial, conductive, flame retardant and more

【應用範圍 Applications】



汽車與交通運輸

Automotive & Transportation



醫療與健康照護

Medical & Healthcare



機能紡織

Functional Textile



精品與時尚

Luxury & Fashion

SERVICE SITES

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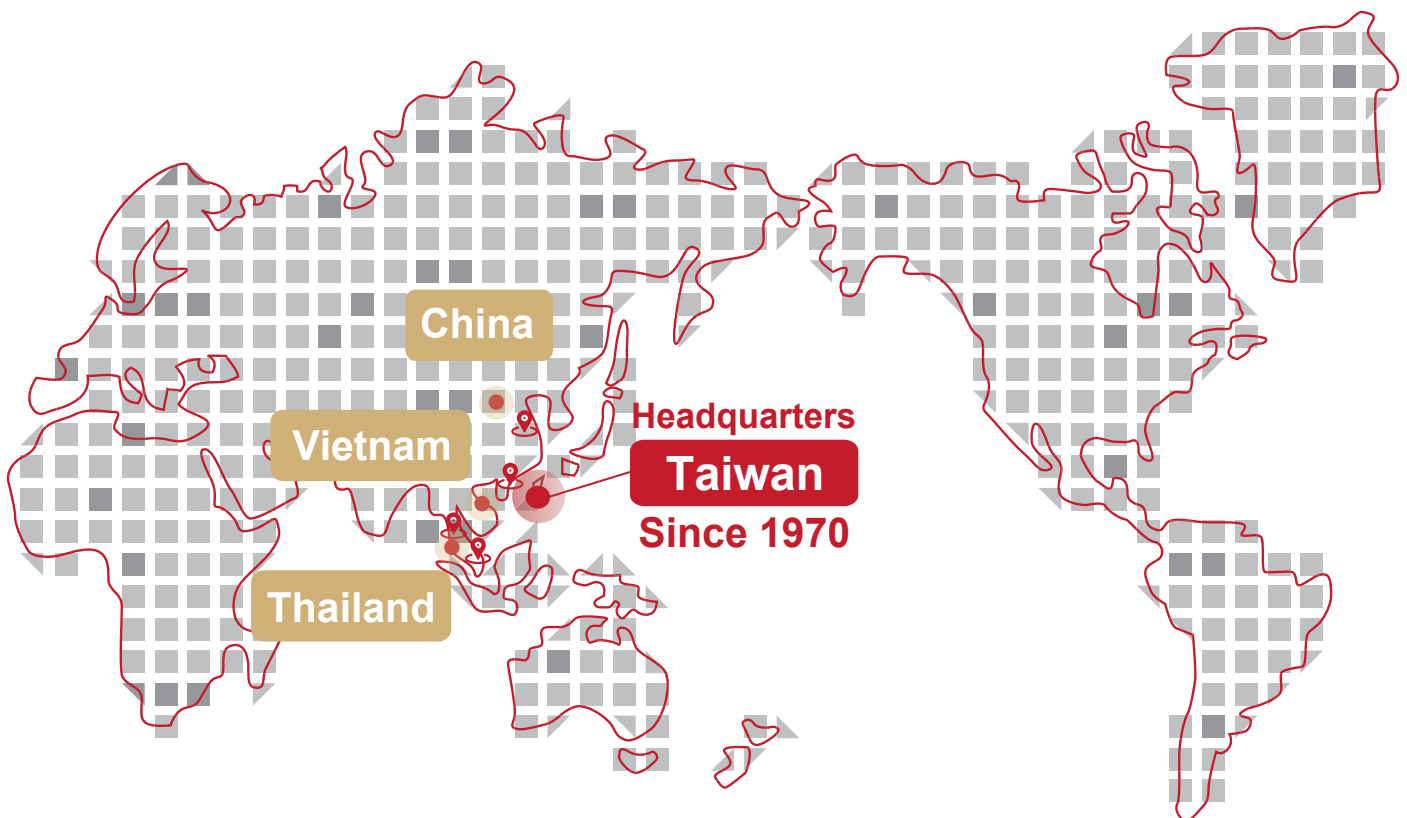
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