



G·APEX

HEAT SHRINK TUBING AND ACCESSORIES

G·APEX

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台灣雲林應用材料股份有限公司

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Taiwan Yun Lin Applied Materials Co., Ltd.



## 企業簡介 Company Profile

For over 20 years, G-APEX has been focused on research and development the new materials and products in the fields of heat shrink, cold shrink tubing, and tapes. To solve the requirement of quality, safety, cost reduction, and services for the market. Providing solutions of electrical insulation and sealing protection applications for different industries.

**Production:** 50 million meters of monthly production capabilities of heat shrinkable tubing, the strongest product supplying abilities.

**Technology:** 21 patents and professional R&D team.

**Certification:** ISO9001、UL、ROHS、REACH、ISO10993、ISO14001、IATF16949, providing a reliable quality guarantee.

**Services:** Mass storage of products and our service staff in Taiwan, Japan, Thailand, Vietnam, and China, providing the fastest ship out and instant services.

Under our team structure, we're confident to fulfill all your inquiries.

**G-APEX** 20年來長期致力在熱縮套管、冷縮套管、膠帶領域研究開發新材料及產品，解決市場對品質、安全性、成本降低及服務的需求，提供了不同行業電氣絕緣及密封保護應用解決方案。

**生產：**熱縮套管月產能5千萬米，提供強大的供貨能力。

**技術：**21項專利技術及專業的工程研發團隊。

**認證：**ISO9001、UL、ROHS、REACH、ISO10993、ISO14001、IATF16949提供可靠的品質保證。

**服務：**台灣、日本、泰國、越南、中國各地提供大量產品庫存倉儲及服務人員，提供最快速的發貨及服務。在整體的團隊架構下，我們很自信可以完成對您的需求所託。



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- G1 無阻燃型熱縮套管**  
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- G5-3X 高收縮倍率熱縮套管**  
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## 含膠型熱縮套管 ADHESIVE-LINED HEAT SHRINK TUBING

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- AIS-ES 車用線束含膠熱縮套管**  
Adhesive heat shrinkable tubing for automotive
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260°C PTFE heat shrinkable tubing
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260°C PFA heat shrinkable tubing

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Medical grade ultra thin wall LDPE heat shrinkable tubing
- MTC 醫療級柔軟型PVDF熱縮套管**  
Medical grade flexible PVDF heat shrinkable tubing
- MTE 醫療級LDPE熱縮套管**  
Medical grade LDPE heat shrinkable tubing
- MTF 醫療級高柔軟性熱縮套管**  
Medical grade high flexibility heat shrinkable tubing

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Cold shrink silicone rubber sleeve
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Cold shrink EPDM rubber sleeve
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Dual layer cold shrink silicone rubber sleeve

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PET semi-rigid wrappable split braided sleeving
- BS3000 汽車線束用捲式編織管**  
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125°C Solder sleeve wire splices
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Busbar insulating heat shrink tubing (Withstand voltage up to 36kV)

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- BOOT 模縮套**  
Molded parts
- AEC 電纜防水熱縮封帽**  
Heat shrinkable cable end cap

## 光纖用熱縮套管 FIBER OPTICAL HEAT SHRINKABLE TUBING

- ADW 光纖接續盒專用防水熱縮套管**  
Heat shrinkable tubing for fiber optic splice closure
- FOSP 光纖保護套管**  
Heat shrinkable fiber optic splice protector
- FOSP-K 高溫光纖保護套管**  
High-temperature optical fiber protection sleeve

## 膠帶 TAPE

- WT800 自融性防水膠帶**  
Rubber mastic tape
- WT200 自融性防水膠帶**  
Rubber mastic tape
- WT300 自融性絕緣填縫膠膏帶**  
Self-fusing insulation caulking mastic tape
- HBT 耐電壓矽膠膠帶 (耐壓15~24kV)**  
High voltage silicone busbar insulation tape (Withstand voltage up to 15~24kV)

## 熱縮套管組合包 ASSORTMENT KIT

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Tube and sleeve - mini box
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Tube and sleeve - blister pack
- GR 熱縮套管捲式包裝**  
Heat shrinkable tubing pack - mini spool pack

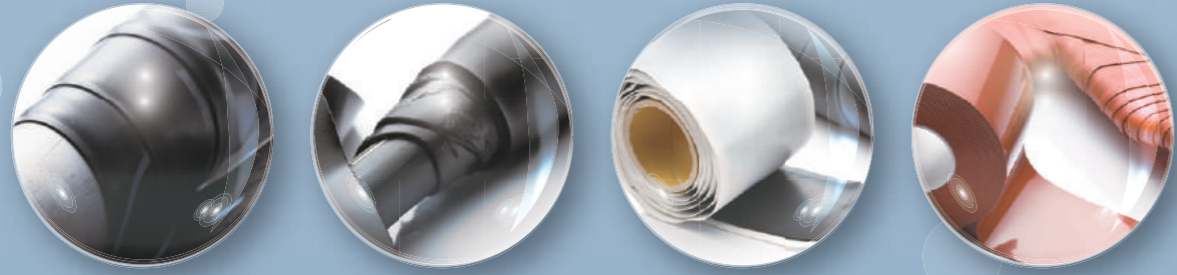
## 號碼標識系統 MARKING SYSTEMS

- 135°C TMS 軌道式號碼標示印字熱縮套管**  
Heat shrink markers
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Heat shrink markers
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Heat shrink markers
- 125°C CTMS 捲式號碼標示印字熱縮套管**  
Heat shrink markers
- MP 貼紙簿**  
Pocket pack marker book
- MO 號碼標誌器**  
Snap-on wire markers
- MH PVC熱縮電線標示號碼圈**  
PVC Heat shrinkable wire marking number ring

## 工具 TOOL

- GHG 微型熱風槍**  
Gas heat gun
- BSC 熱裁切機**  
Hot knife device

**TAPE**  
膠帶



TAPE

TAPE

# WT800

## Rubber mastic tape 自融性防水膠帶



Product Dimensions  
產品規格

### ● 應用 Applications

由彈性絕緣材料與防水密封膠組成，較WT200具有低成本經濟效益，適用於電力電纜接頭、通訊電纜接頭的密封防水及高低壓匯流排接點的絕緣防蝕保護。

Composed of elastic insulating material and waterproof sealant, and has lower cost and economic benefit compared to WT200. It is suitable for sealing and waterproofing the joints of power cable and communication cable, as well as the insulation and corrosion protection of high and low voltage busbars contacts.

### ● 操作溫度範圍 Operating temperature range

- Continuous operating temperature: -20°C~90°C
- Emergency overload temperature: 130°C
- 連續使用溫度：-20°C~90°C
- 緊急過載溫度：130°C

### ● 特性 Characteristics

- 彈性材質易施工
- 抗紫外線
- 耐磨擦、酸鹼
- 防水
- Flexible material, easy construction
- Anti-ultraviolet
- Abrasion, acid, and alkali resistant
- Waterproof

Part Number	Size 尺寸		
產品型號	Thickness (Nominal Size) (mm) 厚度 (公稱尺寸)	Width (mm) 寬度	Standard Length (Meter) 標準長度 (米)
WT800	1.65	50	3

Other sizes can be customized on requested.  
其他尺寸可指定製作。

### ● 使用方法 Operating instruction

適當力量拉伸膠帶，1/2處重疊纏繞，纏繞時同時撕開隔離紙，膠帶末端用力按壓，使膠帶黏接至電纜外皮。

Stretch the tape with proper strength by 1/2 overlap winding, tear the quarantine paper at the same time when winding, press hard on the end of the tape to let the tape is adhered to the cable sheath.

### Technical Data

Property	Test Method	Typical Value
Tensile strength	ASTM D412	≥2Mpa
Elongation at break	ASTM D412	≥1000%
Dielectric strength	ASTM D149	≥20kV/mm
Volume resistivity	ASTM D991	≥10 <sup>14</sup> Ω·cm

Standard color : black  
標準顏色：黑色



TAPE

# WT200

## Rubber mastic tape 自融性防水膠帶



Product Dimensions  
產品規格

### ● 應用 Applications

外層為輻照交聯的彈性橡膠、內層為防水密封膠。高彈性外層及高粘度膠層的特性，適用嚴峻戶外環境的鋼管防腐蝕、電纜外皮修護及電纜接頭密封等應用。

The outer layer is made of radiation cross-linked elastic rubber and the inner layer is made of waterproof sealants. With the characteristics of the high elastic outer layer and high adhesion adhesive layer, it is suitable for applications of steel pipe anti-corrosion, cable sheath repair, and cable joint sealing in rigorous outdoor environments.

### ● 操作溫度範圍 Operating temperature range

- Continuous operating temperature: -20°C~90°C
- Emergency overload temperature: 130°C
- 連續使用溫度：-20°C~90°C
- 緊急過載溫度：130°C

### ● 特性 Characteristics

- 彈性外層能緊覆被包覆物
- 抗紫外線
- 耐磨擦、耐酸鹼
- 防水
- 施工指示標誌
- The elastic outer layer bonds to the covered object tightly.
- UV resistance
- Resistance to abrasion, acids and alkalis
- Waterproof
- Construction indicating sign

Part Number	Size 尺寸		
產品型號	Thickness (Nominal Size) (mm) 厚度 (公稱尺寸)	Width (mm) 寬度	Standard Length (Meter) 標準長度 (米)
WT200-18	1.8	50	3

### ● 使用方法 Operating instruction

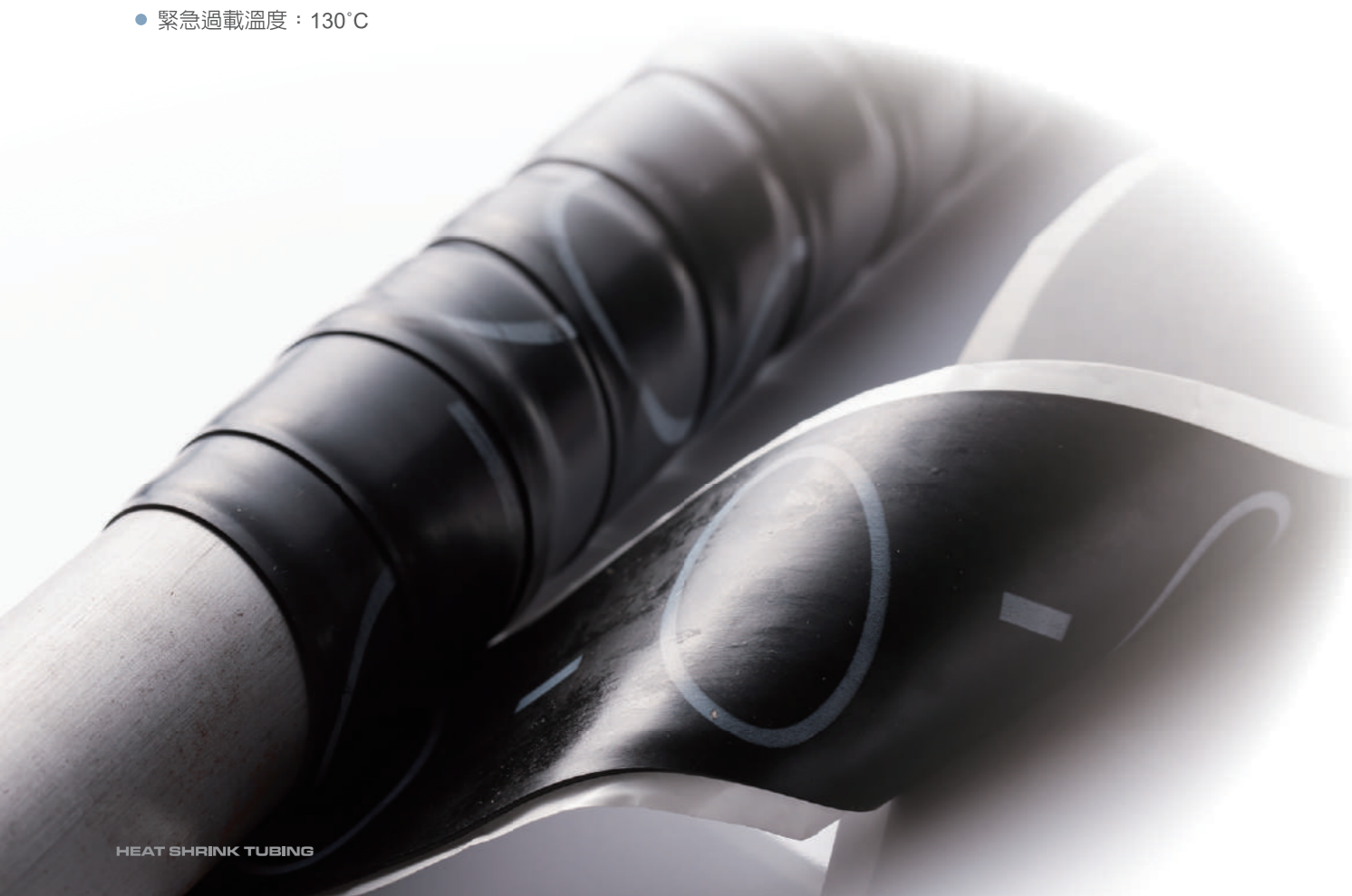
適當力量拉伸膠帶，1/2處重疊纏繞，纏繞時同時撕開離型紙，膠帶末端用力按壓，使膠帶黏接至電纜外皮。

Stretch the tape with proper strength, overlap winding at 1/2 position, tear off the release paper at the same time when winding, and press hard on the end of the tape to make the tape adhere to the cable sheath.

Technical Data

Property	Test Method	Typical Value
Tensile strength	ASTM D412	≥6MPa
Elongation at break	ASTM D412	≥800%
Dielectric strength	ASTM D149	≥20kV/mm
Volume resistivity	ASTM D991	≥10 <sup>14</sup> Ω·cm

Standard color : black  
標準顏色：黑色



TAPE

# WT300

## Self-fusing insulation caulking mastic tape 自融性絕緣填縫膠膏帶



Product Dimensions  
產品規格

### ● 應用 Applications

WT300是柔軟、彈性的橡膠材質膠膏帶，良好的絕緣性能搭配PVC膠帶可以應用於高壓電纜接頭或匯流排的分歧絕緣防水保護，優異的適形性可以在不規則外形上做絕緣防水絕緣運用。

WT300 is a flexible and elastic rubber material mastic tape, great insulation performance used with the PVC tape can apply to the high voltage cable joints or the insulation and waterproof protection for the branch of the busbar. Good plasticity can be used for insulation and waterproofing on irregular shapes.

### ● 特性 Characteristics

- 優異的防水密封
- 耐候、抗老化
- 柔軟、有彈性、容易塑形
- Excellent waterproof seal
- Weather resistance and anti-aging
- Flexible, elastic and easy to shape

### ● 操作溫度範圍 Operating temperature range

- Continuous operating temperature: -40°C~90°C
- 連續使用溫度：-40°C~90°C

Part Number	Size 尺寸		
產品型號	Thickness (Nominal Size) (mm) 厚度 (公稱尺寸)	Width (mm) 寬度	Standard Length (Meter) 標準長度 (米)
WT-300	2	30	1

Technical Data

Property	Test Method	Typical Value
Dielectric strength	ASTM D149	≥15kV/mm
Volume resistivity	ASTM D991	≥10 <sup>14</sup> Ω·cm

Standard color : black  
標準顏色：黑色



TAPE

# HBT

**High voltage silicone busbar insulation tape**  
(Withstand voltage up to 15~24kV)

耐電壓矽膠膠帶 (耐壓15~24kV)



Product Dimensions  
產品規格

## ● 應用 Applications

產品以輻照交聯矽橡膠製成，具有優異的電氣、化學及物理性能。適用於開關設備具有任意形狀的電纜接頭或母排的絕緣保護，易於在不允許拆卸及禁用火源的環境操作。

The product is made of radiation cross-linked silicone rubber, which has excellent electrical, chemical and physical properties. It is suitable for insulation protection of cable joints or busbars with any shape in switchgear. It is easy to operate in environments where disassembly is not allowed and fire sources are prohibited.

## ● 操作溫度範圍 Operating temperature range

- Continuous operating temperature: -60°C~200°C
- 連續使用溫度：-60°C~200°C

## ● 特性 Characteristics

- 具有極佳的自融性
- 耐高溫、抗紫外線、優異的絕緣性能
- 適合各種溫度環境施工，產品阻燃、防電暈、防電弧
- 單層耐15kV，雙層可提供24kV電壓保護
- Excellent self-fusing
- High temperature resistance, anti-UV and excellent insulation property
- Suitable for construction in various temperature environments, the product is flame retardant, anti-corona and anti-arc.
- Single layer withstands 15kV and double layers can provide voltage protection up to 24 kV.

Part Number	Size 尺寸		
產品型號	Thickness (Nominal Size) (mm) 厚度 (公稱尺寸)	Width (mm) 寬度	Standard Length (Meter) 標準長度 (米)
HBT	0.8	50	5

## ● 使用方法 Operating instruction

適當力量拉伸膠帶，1/2處重疊纏繞。

Stretch the tape with proper strength, overlap winding at 1/2 position.

Technical Data

Property	Test Method	Typical Value
Tensile strength	ASTM D412	≥3.5MPa
Elongation at break	ASTM D412	≥1000%
Dielectric strength	ASTM D149	≥28kV/mm
Volume resistivity	ASTM D991	≥10 <sup>14</sup> Ω·cm

Standard color: red  
標準顏色：紅色

