

Thermal Spread Tape



Introduction

散热胶带 ST-TDTS01

Thermal Diffusion Tape ST-TDTS01

1. 产品概要 Product profile

- 良好粘性 Excellent Adhesive
- 优秀的热辐射 Excellent Thermal Radiation
- 快速热扩散效果 Fast Thermal Diffusion Effect
- 厚度薄 The Thin Thickness

2. 产品结构 Product structure

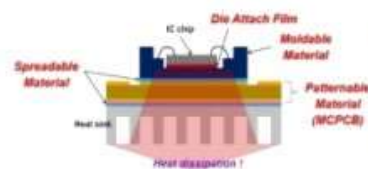
陶瓷涂层 Ceramic coating layer
铜箔 Copper foil substrate layer
丙烯酸胶黏层 Acrylic adhesive layer
PET 离型层 PET Release liner layer

3. 典型物性表 Typical specification

试验项目 Test item	测试方法 Test method	基准值 Value
厚度 Thickness	ASTM D3652	50±10%
180° 剥离强度 Peeling strength	ASTM D3330	SUS:Min. 1000gf/25mm
导热系数 Thermal conductivity	ASTM E 1461	180 W/m.K

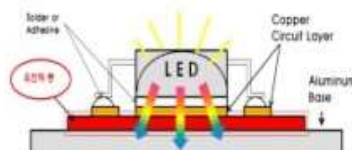
4. 适用范围 Applications

- 电视机和显示屏 TV&Display
- LED 照明灯光条 Light Bar
- 笔记本电脑 Computers
- 手机 Mobile phone
- 散热器的装置等 Radiator assembly



5. 包装事项 Packing

- 规格 Size 50-1000mm*200m
- 储存条件 Storage condition
- 室温 Room temp: 20^25℃
- 相对湿度 Relative humidity: 60±10%



注：产品结构、材料组合、厚度规格可按客户要求定制。

Note: Product structure, material composition, thickness and specifications can be customized according to customer requirements.

散热胶带 ST-TDTS04 Thermal Tape ST-TDTS04

1. 产品概要 Product profile

单面亚克力胶类型的导电胶带，对被黏贴物的粘帖性优秀。Single side Acrylic conductive fabric tape has excellent adhesive force.

使用了混合胶，向各个阶层快速传热。By using mixed adhesive, it has excellent thermal conductivity.

热扩散(水平)效果优秀，将发热部位的热量有效的分散。优秀的耐热性及维持力。Excellent thermal conductivity and heat resistance and retentiveness.

容易使用于薄膜短小的产品。Easy to handle on short film products.

屏蔽其他不必要的电子干扰及信号的效果优秀。Shielding electronic signal interference.

容易制作成所需形状，柔软性优秀易使用。Easy to handle with excellent heat resistance and maintenance.

2. 产品结构 product structure

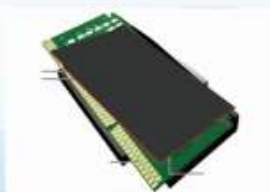
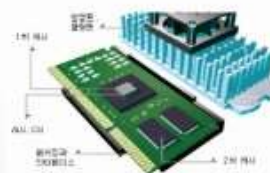
黑色绝缘层 (辐射) Black insulating liner (radiation)
聚酯薄膜 PET Film
热辐射及热扩散胶层 thermal radiation & diffusion adhesive liner
铜箔 copper foil
热扩散胶 Thermal diffusion adhesive
离型膜 release film

3. 典型 物性表 Typical specifications

试验项目 Test items	测试方法 Test method	基准值 value
厚度 (不含离型层) Thickness (excluding release liner)	ASTM D 3652	65 ± 10% (μm)
颜色 (color)	视觉 vision	黑色 black
180° 剥离强度 peeling strength	ASTM D 3330	Min. 1100gf/25mm
导热系数 (横向) thermal Coefficient (horizontal)	ASTM E1461 Laser Flash 激光闪光	250W/mK

4. 适用范围 Applicaitons

- 电视机 TV
- 显示屏 Display
- 笔记本电脑 computers
- 手机等... mobile phone



5. 包装事项 Packing

- 规格 size 1000mmx50m
- 储存条件 storage conditions
- 室温 Room Tem: 23 ± 5°C
- 相对湿度 Relative Humidity: 50 ± 10%

注：产品结构、材料组合、厚度规格可按客户要求定制。

Note: Product structure, material composition, thickness and specifications can be customized according to customer requirements.

散热胶带 ST-TDTS04 Thermal Tape ST-TDTS05



1. 产品概要 Product profile

单面亚克力胶类型的导热胶带，对被黏贴物的粘帖力优秀。Single side Acrylic conductive tape has excellent adhesive force.

使用了混合胶，向各个阶层快速传递热量。By using mixed adhesive, it has excellent thermal conductivity.

热扩散（水平）效果优秀，将发热部位的热量有效的分散出去。优秀的耐热性及维持力。Excellent thermal conductivity and heat resistance and retentiveness.

便于使用在薄膜短小产品上。Easy to handle on short film products.

屏蔽其他不必要的电子干扰及信号的屏蔽效果优秀。Shielding electronic signal interference.

容易制作成所需形状，柔软性优秀易使用。Easy to handle with excellent heat resistance and maintenance.

2. 产品结构 product structure

白色绝缘层 white insulator
聚酯薄膜 PET film
热辐射及热扩散胶层 radiation&diffusion adhesive liner
铝箔层 Aluminum foil
热辐射及热扩散胶层 radiation&diffusion adhesive liner
铜箔层 copper foil
热扩散胶层 Thermal diffusion
离型膜 PET film

3. 典型物性表 Typical specifications

试验项目Test Itemst	测试方法Test method	基准值value
厚度（不含离型层）Thickness (excluding release liner)	ASTM D 3652	85± 10% (μm)
颜色(color)	视觉vision	白色white
180° 剥离强度peeling strength	ASTM D 3330	Min.1,100gf/25mm
导热系数（横向）thermal Coefficient (horizontal)	ASTM E1461 Laser Flash激光闪光	200W /m K

4. 适用范围Applicaitons

- 电视机 TV
- 显示屏 Display
- 笔记本电脑 computers
- 手机等...mobile phone

5. 包装事项Packing

- 规格size 1000mmx50m
- 储存条件storage conditions
- 室温Room Tem: 23±5℃
- 相对湿度Relative Humidity: 50±10%



注：产品结构、材料组合、厚度规格可按客户要求定制。

Note: Product structure, material composition, thickness and specifications can be customized according to customer requirements

散热胶带 ST-TDTS04

Thermal Tape ST-TDTS06

1. 产品概要 Product profile

单面胶形式，散热性能优秀，薄膜形式，粘着力优秀. 设计为适用于手机以及平板电脑.single side adhesive tape,with excellent heat diffusion and bonding performance, applicable for mobile and computers

2. 产品结构 product structure

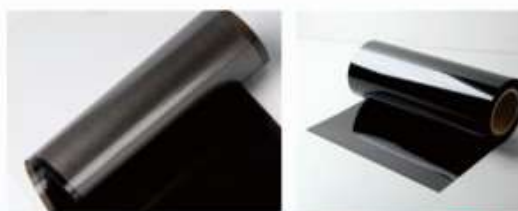
PET 薄膜film
热辐射及热扩散层 radiation and thermal disffusion on liner
铜箔copper foil 35 μm
热扩散胶层 thermal disffusion adhesive liner
离型层release liner

3.典型 物性表 Typical specifications

试验项目Test Itemst	测试方法Test method	基准值value
厚度thickness	ASTM D 3652	53 \pm 10% (μm)
颜色color		黑色
粘着力 bonding force	ASTM D 3330	Avg. 1100 (gf/25mm)
导热系数thermal coefficient	ASTM D 5470	250 W/mK
RoHS		Pass
Halogen		Free

4. 适用范围Applicaitons

- 平板电脑、笔记本电脑Computers
- 显示器(LED/LCD/PDP TV)
- 手机 mobile phone



5. 包装事项Packing

- 规格size500mmx100m



注：产品结构、材料组合、厚度规格可按客户要求定制。

Note: Product structure, material composition, thickness and specifications can be customized according to customer requirements

散热胶带 ST-TDTS04 Thermal Tape ST-TDTS07

1. 产品概要 Product profile

单面胶形式，散热性能优秀，薄膜形式，粘着力优秀. 设计为适用于手机以及平板电脑. single side adhesive tape, with excellent bonding performance, applicable for mobile and computers

2. 产品结构 product structure

PET 薄膜 film
热辐射及热扩散胶层 radiation and thermal diffusion liner
铝箔 Aluminum foil 50 μ m
热扩散胶层 thermal diffusion adhesive liner
离型层 release liner

3. 典型 物性表 Typical specifications

试验项目 Test item	测试方法 Test method	基准值 value
厚度 thickness	ASTM D 3652	80 \pm 10% (μ m)
颜色 color		黑色
粘着力 bonding force	ASTM D 3330	Avg. 1100 (gf/25mm)
导热系数 thermal coefficient	ASTM D 5470	200 W/mK
RoHS		Pass
Halogen		Free

4. 适用范围 Applications

- 平板电脑、笔记本电脑 Computers
- 显示器 (LED/LCD/PDP TV)
- 手机 mobile phone



5. 包装事项 Packing

- 规格 size 500mmx100m



注：产品结构、材料组合、厚度规格可按客户要求定制。

Note: Product structure, material composition, thickness and specifications can be customized according to customer requirements

散热胶带 ST-TDTS04

Thermal Tape ST-TDTS11

1. 产品概要 Product profile

单面亚克力胶类型的 导热胶带，对被黏贴物的粘帖力优秀。Single side Acrylic& thermal conductive tape has excellent bonding force.

使用了混合胶，向各个阶层快速传送热量。By using mixed adhesive, it has excellent thermal conductivity.

热扩散（水平）效果优秀，将发热部位的热量有效的分散出去。优秀的耐热性及维持力。Excellent thermal conductivity and heat resistance and retentiveness.

便于使用在薄膜短小产品上。Easy to handle on small film products

容易制作成所需形状，柔软性优秀易使用。Easy to handle with excellent flexibility.

2. 产品结构 product structure

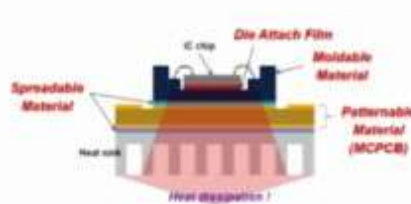
散热胶黏剂 conductive adhesive
基材层 (PET) base
散热胶 conductive adhesive
离型膜 release film

3.典型 物性表 Typical specifications

试验项目 Test Itemst	测试方法Test method	基准值value
总厚度（不含离型层） thickness (excluding release liner)	ASTM D 3652	85±10% (μm)
颜色color	视觉vision	灰色grey
180° 剥离强度peeling strength	ASTM D 3330	Min. 1, 100gf/25mm

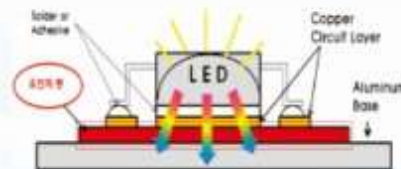
4. 适用范围Appicaitons

- 电视机和显示屏 TV&Display
- LED照明灯光条light Bar
- 笔记本电脑和手机computers and mobile phones
- 散热器的装配等Radiator assembly ...



5. 包装事项Packing

- 规格size500mmx50m
- 储存条件storage conditions
- 室温Room Tem: 23±5°C
- 相对湿度Relative Hunidity: 50±10%



注：产品结构、材料组合、厚度规格可按客户要求定制。

Note: Product structure, material composition, thickness and specifications can be customized according to customer requirements