



# Industrial Tape

**Product Catalog : Industrial Tape**

Kidmai By K.C.N. INTERNATIONAL THAI CO., LTD

# Polyimide Tape

One of the most essential tool for electrician with excellent strength and adhesive across high temperature range and left no adhesive residue.

Polyimide tape also have great chemical, acid, and oil resistance with excellent electrical insulation and good thermal conductive properties.



However, Tape will aged overtime under high temperature and high humidity environment and the condition should be re-evaluate for if replacement is necessary yearly.

Tape should be store in dry, ventilated environment with consistent temperature and away from heat, UV, and moisture.

Thickness	0.055±0.005 mm
Base Material	0.025 mm
Adhesive Layer	Acrylic-Based
Color	Amber Gold
Thermal Conductivity	0.46 W/m.K
Working Temperature	240 C <sup>o</sup> (Long-Term), 280 C <sup>o</sup> (Short-Term)
Dielectric Strength	303 kV/mm
Dielectric Constant	3.4
Volume Resistivity	1.5 * 10 <sup>17</sup> Ohm.cm

**Available Options\* :** 5, 10, 15, 25, 50, 100mm Width of 33 Meters Roll

\*Supplies for other sizes can be arrange under certain lead time and quantity

# Thermally Conductive Tape

Double sided adhesive tape provide simple and effective solution for heat conduction for attaching heatsink to electronics components, LED, and other equipment.

The tape provide good and consistent conductivity of 1.5 W/m.K for up to 5 years or more when use under 120 C°.



Clean the surface before application for effective use. After application, pressing the area firmly to ensure proper contact.

Tape should be store in dry, ventilated environment with consistent temperature and away from heat and UV.

<b>Material</b>	Fiberglass Mesh
<b>Thickness</b>	0.2 mm
<b>Color</b>	White
<b>Thermal Conductivity</b>	1.5 W/m.K
<b>Max Temperature</b>	120 C° (Long-Term), 180 C° (Short-Term)
<b>180° Peel Force (25mm width)</b>	> 16 N/inch
<b>Initial Adhesion</b>	1.3 kg/inch
<b>Volume Resistivity</b>	$1.5 * 10^{17}$ Ohm.cm
<b>Breakdown Voltage</b>	4kVAC

**Available Options\* :** 3, 5, 10, 15, 25, 40, 80mm of 25 Meters Roll and 300mm Sheet

\*Supplies for other sizes can be arrange under certain lead time and quantity

# PTFE Fabric Tape

Made from Fiber Glass Fabric with PTFE Layer provide excellent strength, heat resistance, can keep it shape even after extreme stretch, with great wear/tear/crack resistance under high temperature.

PTFE coating also provide good resistance against acid and anti-stick properties.

Tape should be store in dry, ventilated environment with consistent temperature and away from heat, moisture, and UV.



<b>Material</b>	PTFE coated glass cloth
<b>Thickness</b>	0.08, 0.13, 0.18 mm
<b>Adhesive Layer</b>	None, 1-Sided Adhesive
<b>Color</b>	Brown
<b>Thermal Conductivity</b>	1.5 W/m.K
<b>Max Temperature</b>	260 C° (Long-Term), 310 C° (Short-Term)
<b>Tensile Strength</b>	> 17 N/mm
<b>Hardness</b>	65 N/sq.mm.

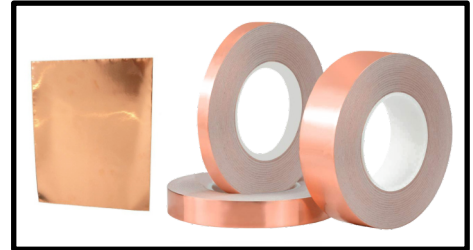
**Available Options\* :**

- 8, 10, 13, 19, 25, 38, 50, 100mm Width of 10 Meters Roll 0.13mm Thick
- 0.08, 0.13, 0.18mm Thickness without Adhesive Layer (1 meter wide)

\*Supplies for other sizes can be arrange under certain lead time and quantity

# Copper Tape

Made from 99.9% Pure Copper Material with acrylic-based adhesive layer providing an excellent solution for various uses including electrical conductivity, EMI shield, anti-static floor, heat dissipation/conduction, deterring mollusks, anti-bacteria/virus surface, and more.



Material are also non-flammable with good working temperature range and can be soldered.

Tape should be store in dry, ventilated environment with consistent temperature and away from heat, moisture, and UV.

<b>Thickness</b>	0.05mm (0.02mm Copper, 0.03mm Adhesive) 0.1mm (0.05mm Copper, 0.05mm Adhesive) 0.15mm (0.1mm Copper, 0.05mm Adhesive)
<b>Adhesive Layer</b>	Non-electrical Conductive, Electrical Conductive
<b>Shielding Effectiveness</b>	>80 dB
<b>Working Temperature</b>	-40 ~ +130 C°
<b>Surface Resistance</b>	< 0.05 Ω/inch

## Available Options\* :

- 3, 5, 10, 15, 25, 40, 80mm Width of 20 Meters Roll 0.05mm Thick
- 5, 25mm Width of 10, 50 Meters Roll 0.10mm Thick
- 15, 25mm Width of 50 Meters Roll 0.15mm Thick
- 300mm Sheet 0.05mm Thick (Non-electrical Conductive, Electrical Conductive Adhesive)

\*Supplies for other sizes can be arrange under certain lead time and quantity

# Double Sided Adhesive Copper Tape

Made from 99.9% Pure Copper Material with electrically conductive adhesive layer on both side providing a perfect solution for bonding physically and electrically of two surfaces together such as for certain EMI shielding or to function as electrode in sensors, pvdf material or other specialized usages.



Material are also non-flammable with good working temperature range and can be soldered.

Tape should be store in dry, ventilated environment with consistent temperature and away from heat, moisture, and UV.

<b>Thickness</b>	0.09mm (0.018mm Copper, 2x0.035mm Adhesive)
<b>Adhesive Layer</b>	Electrical Conductive
<b>Vertical Resistance (1 sq.inch)</b>	0.01-0.06 $\Omega$
<b>Working Temperature</b>	-40 ~ +130 C <sup>o</sup>
<b>Surface Resistance</b>	< 0.05 $\Omega$ /inch

## Available Options\* :

- 10, 25, 50mm Width of 5 Meters Roll

\*Supplies for other sizes can be arrange under certain lead time and quantity

# Aluminum Tape

Made from Aluminum Material with acrylic-based adhesive layer providing an excellent solution for various uses including electrical conductivity, EMI shield, heat dissipation/conduction, and more.

Material are non-flammable with good temperature range and can be soldered.



Tape should be store in dry, ventilated environment with consistent temperature and away from heat, moisture, and UV.

Thickness	0.05mm (0.02mm Aluminum, 0.03mm Adhesive)
Adhesive Layer	Non-electrical Conductive
Working Temperature	-40 ~ +130 C <sup>o</sup>

**Available Options\* :**

- 10, 25, 50mm Width of 20 Meters Roll

\*Supplies for other sizes can be arrange under certain lead time and quantity

# Acetate Tape

Made from Acetate Cloth with Rubber-Resin based Adhesive and Flame Retardant Layer provide excellent adhesion, breathable surface, and high heat resistance fit for binding wire

Tape should be store in dry, ventilated environment with consistent temperature and away from heat, moisture, and UV.



Thickness	0.22 mm
Color	Black
Adhesion	4.0 N/cm
Max Temperature	120 C <sup>o</sup> (Long-Term), 180 C <sup>o</sup> (Short-Term)
Insulation Resistance	> 1 MΩ
Breakdown Voltage	1.9 kVAC

**Available Options\*** : 10, 25, 50mm Width of 30 Meters Roll

\*Supplies for other sizes can be arrange under certain lead time and quantity





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