



GreenPhils Inc.

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Kapton® Polyimide Tape **Technical Specification**

Product Features

- Thin and conformable enabling masking of uneven surfaces
- Wide operating temperature range up to 500°F
- Removes cleanly without adhesive residue after exposure to heat
- High performance silicone adhesive
- High strength backing provides superior resistance to puncture and tear
- Resistance to chemical attack

Applications

- High Temperature Masking
- Protection of circuit board gold finger contacts during wave solder
- Insulation on Transformers, Motors and Coils
- Fiber Optics Cables
- Solar Panels

Specifications

Technical Data:

Backing :	Kapton® Polyimide Film	Color:	Amber
Backing Thickness:	1.0 mil (25 μ)	Adhesive:	Thermosetting Silicone
Total Thickness:	2.7 mil (0.069 mm)	Dielectric Strength:	7000 Volts
Temp. Class:	360 °C / H	Insulation Resistance:	106 megohms
Tensile Strength:	30 lbs/in (110 N/25mm)	Adhesion to Steel:	25 oz/in (6.8 N/25mm)
Elongation:	35%	Storage Stability:	Excellent
Electrolytic Corrosion	Direct 1.0/A , 1*	Solvent Resistance:	Excellent
Flammability	BU 1* Passed UL510	Moisture Resistance:	Excellent

Figures shown are averages and should not be used for writing specifications. Similar test conducted on any individual sample may vary in results. Tests are conducted in accordance with ASTM D1000 where applicable.

Polyimide Tape

Model No: HY200

Carrier: Polyimide film

Glue: Silicone

Features: Heat resistance, high voltage insulation, acid voltage electrolytic.



Specifications

and alkali resistance, low

Usage: Protect golden finger when PCB board in soldering tin furnace, insulation of coil, wave-soldering protection, electrical insulation, high temperature resistance, no residue leaving after peeling off.

Technical Parameters

Voltage Resistance (KV)	5.0
Tensile Strength(N/25mm)	≥115
Test temperature(
Elongation at Break	
Adhesion to steel(N/25mm) (%)	≥5 260-300 ≥40
Film thickness(mm)	0.025/0.05/0.075/0.1/0. 125±0.005
Total thickness(mm)	0.045/0.05/0.06/0.065/0. .07/0.08/0.1/0.18
Inventory condition	23 °C, 65%RH
Inventory available time(year)	1

Dimension

Length	33M
Width(customized)	2-500mm(±0.2mm)
Remark	SGS Test

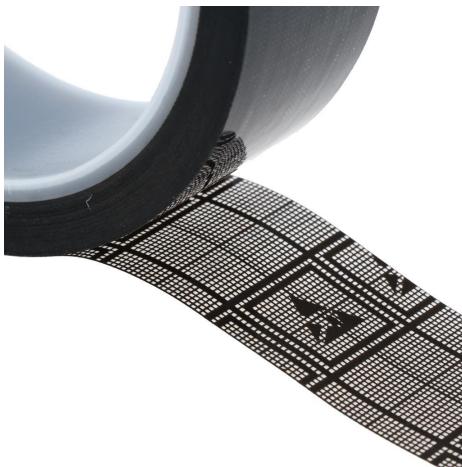


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ESD Grid Tape

ESD grid tape with anti-static treated can significantly reduce the surface resistance, eliminate static electricity, and to prevent dust particles on the electronic product.

Reliable ESD protection, recommended for PCB and semiconductor industries.



SPECIFICATIONS:

Color	Black grid
Width	1", 2" etc with tolerance 0.5mm
Inner diameter of plastic tube	76mm
Length	36 meters
Total Thickness	60 ± 2 µm
Backing Material	OPP
ESD surface reading	10e6~10e11 ohms
Dynamic voltage	≤100V
Static voltage	≤80V
180° peel off strength	≥ 5N/25mm
Initial peel off strength	≤ 3N/25mm
Tensile strength	≥ 30N/25mm
Elongation rate	100%~180%