



## **GreenPhils Inc.**

Luciana Compound Malvar St. San Vicente  
Biñan, Laguna  
Tel.No.:02-9258059/02-9252872/049-5117155

### **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 o 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

UL File #	E20780	CSA File #	LR94980
-----------	--------	------------	---------

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)	$\geq 115$	
Test temperature(		
Elongation at Break		
Adhesion to steel(N/25mm)	$\geq 5$	260-300
(%)		$\geq 40$
Film thickness(mm)		0.025/0.05/0.075/0.1/0.125 $\pm 0.005$
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( $\pm 0.2$ mm)
Remark	SGS Test

Engineering Department of Zhuhai Huayuan Electronics Co., Ltd

2014-11-01