



**Polyimide Film** is made from the synthetic polymer by pyromellitic anhydride and 4,4'-Oxydianiline through salivating and continuous bi- orientational drawing, and dehydrating for imidization. It has excellent heat stability, mechanical and dielectric strength, radiation and chemical resistance, and able to be applied from  $-269\text{ }^{\circ}\text{C}(-452\text{ }^{\circ}\text{F})$  to  $400\text{ }^{\circ}\text{C}(752\text{ }^{\circ}\text{F})$ , widely used in electrical and electronic industry, etc.

## Characters:

- \* Class H insulation and heat resistance.
  - \* Excellent dielectric performance.
  - \* Higher mechanical strength, better tear resistance and flexibility.
  - \* Good radiation and chemical resistance
  - \* Supplied with different **width(5mm-1040mm),thickness(0.0125mm-0.20mm)** and parts:disc, dot, tube, etc.
- NOTE: normal color of this material is light--dark yellow. Please contact us for color requests of: **black,green,red,transparent,etc.**

## Spec.:

Type	PIF-25H	PIF-50H	PIF-75H
Thickness mm	$0.025 \pm 0.003$	$0.050 \pm 0.005$	$0.075 \pm 0.005$
Basic weight $\text{g/m}^2 \pm 10\%$	35	70	105
Width mm	on customers' demand		on customers' demand
Supply size	Supplied in rolls, core diameter: 76mm.		

JI customization can also be available.

## Typical Properties( The follows are just examples not read as guaranteed values)

Items	Test methods	Units	Typical Value
1. Visual	The surface should be even and free from wrinkle, blister, adhesive particle		
2.Tensile strength	ASTM/D882	MPa	150
3. Elongation	ASTM/D882	%	45
4.Dielectric strength	ASTM/D149	kV/mm	180
5. Vol. Resistivity,	ASTM/D257	$\Omega \cdot \text{m}$	$> 1 \times 10^{10}$
6. Surface Resistivity,	ASTM/D257	$\Omega$	$> 1 \times 10^{14}$
7.Dielectric constant	ASTM/D150		$3.5 \pm 0.4$
8.Dielectric dissipation	ASTM/D150		$\leq 4.0 \times 10^{-3}$
9.Dimensional Stability	IPC TM 650,2.2.4A	%	$\leq 0.35$
11. Moisture absorption	ASTM/D570	%	$\leq 4.0$
12. Flammability	UL-94		V-0
13. Specific Gravity	ASTM/D1505		1.42

## Storage:

The product is packed in reinforced carton and sealed in plastic film bag. Please keep dry and in room temperature. Shelf life is 24 months.

## Application:

Polyimide Film is widely used in class H motors, transformers , wrapping of temperature-proof magnet wire and polyimide adhesive tape , flexible printed circuit board, diaphragm,etc.

- Note: 1.All of above information is based on our best knowledge, not read as guarantees. Right reserved for corrections.  
2.Please contact us if customization requirements.

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