



# Black Polyimide Coverlay

**Black Polyimide Coverlay** is made of BLACK polyimide film coated by modified stage-B acrylic adhesive on one side with protection release film or paper, widely used in protection of FCPB and other relevant fields.

## Characters:

- \* Excellent dielectric performance, high bondability and good dimension stability
- \* Low fluidity and good processability.
- \* In BLACK colour with both polish and matte black available
- \* Supplied with different sizes

## Spec.:

Models AD/PI/AD (AD=adhesive;PI=polyimide film)	Unit	BPIC-10A 25/25/0
Typical Total Thickness	mm	0.05-0.06
Film Thickness	mm	0.025(1 mil)
Adhesive thickness	mm	0.025-0.035
Supply Size and Packing	Standard roll: 50m <sup>2</sup> per roll,width:500mm Carton after winded up into log roll and sealed by plastic film bag, Core ID:3"	

Note: Both customization and epoxy counterpart can also be available.

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

Items	Unit	Test Method	Typical datas
1. Peel Strength -As normal conditions -After soldering	N/mm--width	IPC-TM-650-2.4.9	1.1 1.1
2. Dimensional Stability	%	IPC-TM-650-2.2.4A	0.10
3. Adhesive Flow max.(overflow)	um	IPC-TM-650-2.3.17.1	<150
4. Volatile Content	%	IPC-TM-650-2.3.37	≤3.0
5. Soldering resistance	288°C/10sec.	IPC-TM-650-2.4.13	Pass
6. Moisture Absorption	%	IPC-TM-650-2.6.2	≤4.0
7. Dielectric strength	KV/mm	ASTM-D-149	≥30
8. Chemical resistance	%	IPC-TM-650-2.3.2	≥80
9. Dielectric constant	MHZ	IPC-TM-650-2.5.5.3	≤4.0
10.Dissipation factor	-----	IPC-TM-650-2.5.5.3	≤0.04

## Storage:

The product is packed in reinforced carton and sealed in plastic film bag. Please keep dry and in room temperature. Shelf life is 12 months.

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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