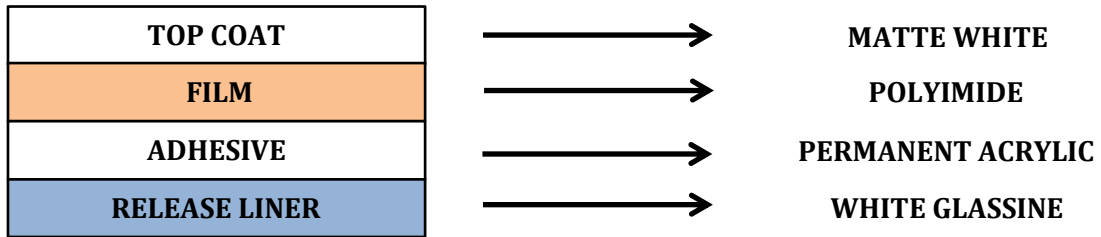




**PRODUCT DESCRIPTION:**

PI-25M is a 1 mil polyimide film with a **matte white** top coat suitable for thermal transfer printing. It is coated with a permanent pressure sensitive acrylic adhesive and is designed specifically for use as functional labels for electronic goods.

**PRODUCT CONSTRUCTION:**



**TYPICAL PHYSICAL PROPERTIES:**

PROPERTIES	DATA	TEST METHOD
Thickness - top coat - film - adhesive	0.012mm 0.025mm 0.025mm	ASTM D-1000
Adhesion to stainless Steel - 20 minute dwell - 24 hour dwell	30N / 100mm 33N / 100mm	ASTM D-1000
Adhesion to Epoxy PC - 20 minute dwell - 24 hour dwell	28N / 100mm 37N / 100mm	ASTM D-1000

Note: Data should be considered representative or typical only, and should not be used for specification purposes.

**APPLICATION:**

- IC labeling for work in process
- Permanent ID & Warranty Labeling
- Product ID & Asset Tracking
- Barcode labels for PCB manufacturing process



### **TEMPERATURE RESISTANCE:**

TEMPERATURE	TIME	RESULTS
150°C (302°F)	1 hour	No visible effect
280°C (536°F)	10 minutes	No visible effect
300°C (572°F)	5 minutes	No visible effect

### **TYPICAL CHEMICAL TEST:**

PI-25M shows excellent resistance to fluxes and cleaners associated with the PCB processes such as Aplha metals Inc.2110 (5% aqueous), Altron AC 205, Loctite, Vigon A200, Zestron FA, Zestron VD, prozone SC-01Isopranol.

Cleaner	Time (minutes)	Temperature °C (°F)	Concentration (%)	Ribbon: Ricoh B110-CR
Zestron Vigon A200	5 mins dwell time followed by 5 mins wash in water at room temp	50 (122)	15 aqueous	No visible effect
Alphametals Alpha 2110	5 mins dwell time followed by 5 mins wash in water at room temp	60 (140)	5 aqueous	No visible effect
Multicore SC 01	5 mins dwell time followed by 5 mins wash in water at room temp	40 (104)	100	No visible effect

Note: Labels were assessed for smudge and scratch resistance

### **RECOMMENDED RIBBONS**

- RICOH            B110-CR
- SONY            TR6075
- ARMOR          AXR7
- ZEBRA          5095



## **STORAGE & SHELF LIFE**

Keep in a clean and dry condition. One years stored at 80°F (27°C) and 60% RH.

To obtain best performance, use this product within 12 months from date of manufacturing.

## **Warranty-Limitation**

The technical information, recommendations and other statements contained in this document are based upon experimental data that King Label believes are reliable, but the accuracy or completeness of such information are not guaranteed. Customers are strongly advised to perform extensive testing based on their usage/application to confirm suitability of product.

Kinglabel warrants to the buyer that its product are free from defects in material and workmanship, but limits its obligation under this warranty to replacement of the product shown to Kinglabel's satisfaction to have been defective , provided that the buyer has complied with the handling, storage and shelf life requirements as specified by KINGLABEL. This warranty extends solely to Buyer and all warranty claims must be made by Buyer.

**This warranty is in lieu of any other warranty, express or implied, including, but not limited to, any implied of merchantability or of fitness for a particular purpose and of any other obligations or liability on Kinglabel's part.**

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