

# B120E

Premium

Wax-Resin • Near Edge

- Good heat resistance up to 110°C
- Applicable to a wide range of receiving labels: paper, coated paper, PET/PP/PE/PVC films.
- Ricoh's unique coating on the back allows reliable and superior matching qualities with the thermal head

## PRINTING PROPERTIES

Maximum printing speed 10 IPS

	Non -coated paper	Coated paper	PET	PE	PP	PVC
Compatibility	✓	✓	✓	✓	✓	✓
Image density	1.85	1.85	1.74	2.05	1.80	1.87

Image resolution for paper:

Minimum size: For the lines: 0.2mm  
For the characters: 1.5mm

Image resolution for film

Minimum size: For the lines: 0.2mm  
For the characters: 1.0mm

## RIBBON PROPERTIES

- Total ribbon thickness: < 9 µm
- Polyester film thickness: 4.5 µm
- Friction coefficient: < 0.035
- Ink melting point: 84°C
- Tearing resistance: > 200N/mm<sup>2</sup>
- Transmission density: 1.00 mini

## CERTIFICATES/ DIRECTIVES

 <b>TSCA</b> Toxic Substance Control Act	 <b>RoHS</b> Restriction of Hazardous Substances	 <b>WEEE</b> Waste Electrical & Electronic Equipment	 <b>REACH</b> Chemical & Environment	 <b>(EC) 1935/2004</b> Regulation (EC) No. 1935/2004
 <b>ISO EN71-3</b> European Standard EN71	 <b>2003/11/EC</b> Directive 2003/11/EC	 <b>2000/53/EC</b> Directive 2000/53/EC	 <b>76/769/EEC</b> Directive 76/769/EEC	

## Application



Tags



Logistic/Storage  
Shipping



Multi purpose  
label

## GENERAL CONDITION

*Usage conditions:* 5 to 35°C at 30 to 85% of relative humidity.

*Storage conditions:* Keep indoors avoiding high temperature, high humidity, and direct sunlight.

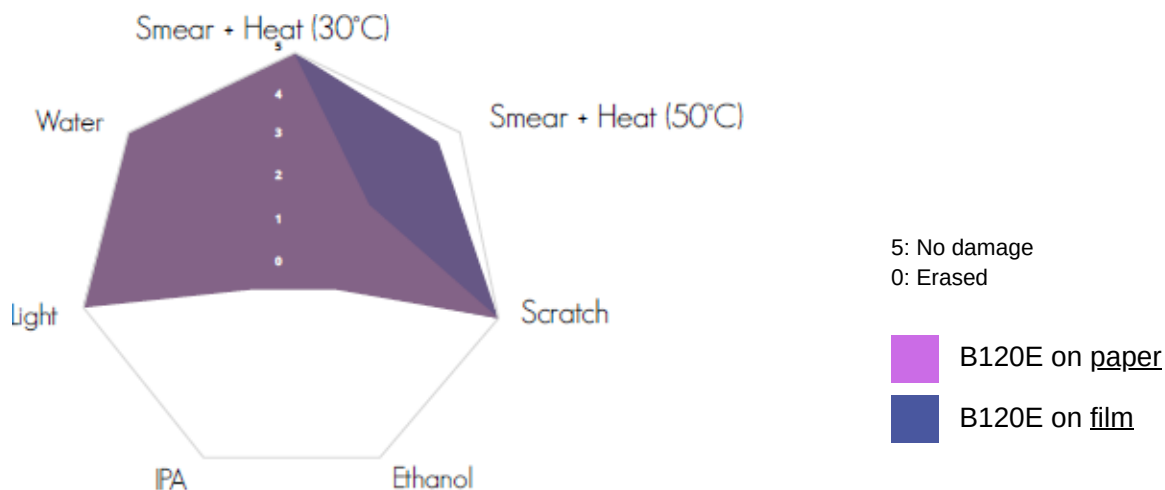
*Storage life:* 24 months after production.

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## PRINTED IMAGE DURABILITY

TESTS	RESULT
Smear + heat 30°C	ANSI A
Smear with cardboard (weight 1kg - 50 back & forwards)	
Heat (110°C)	No ink on the cotton fabric
Heat gradient 3.6kgF/cm <sup>2</sup>	
Scratch	ANSI A
50 back and forwards with a rub tester	
Light	ANSI A
Xenon lamp at 650W/m <sup>2</sup>	
Water	ANSI A
24 hours in water	

## B120E DURABILITY



These performances are for guidance only. Results are obtained with adapted receiving material and optimum print conditions. (Ricoh test method)

### IMS DIVISION

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\* Specifications are subjected to change without notice.

\* The color(s) of the actual product may vary from the color(s) shown in this datasheet



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