

Near-edge

Wax - Resin



B120E

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- Higher 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.

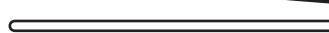
➤ RIBBON PROPERTIES

Total ribbon thickness: < 9µm



Ink melting point: 84°C

Polyester film thickness: 4.5µm



Tearing resistance: > 200N/mm²

Friction coefficient: < 0.035



Transmission density: 1.00mini

➤ GENERAL CONDITIONS

Usage conditions: 5 to 40°C at 10 to 95% of relative humidity.

Storage life: 24 months after slitting day.

Storage conditions: Keep indoor avoiding high temperature (such as beside a heat source), high humidity, direct sun light.

➤ CERTIFICATES / REGULATIONS / DIRECTIVES

- TSCA (Toxic Substances Control Act)
- RoHS
- WEEE
- 2003/11/EC
- 2000/53/EC
- 76/769/EEC
- ISO EN71-3
- REACH
- Direct food contact





▶ PRINTING PROPERTIES

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

Maximum printing speed 10 IPS

Image resolution for paper:

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

Image resolution for film:

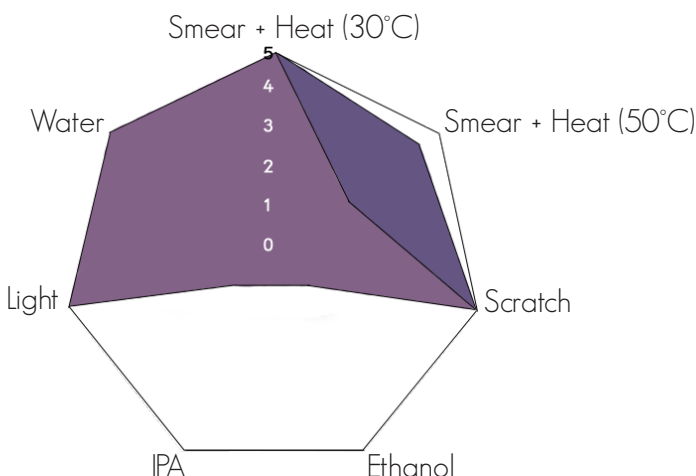
Minimum size:
 - For the lines: 0.1mm
 - For the characters: 1.0mm

▶ DURABILITY OF PRINTED IMAGE

TESTS	RESULTS
Smear + heat (30°C) Smear with carboard (weight 1kg - 50 back & forwards)	ANSI > B
Heat (120°C) Heat gradient 3,6kgF/cm ²	No ink on the cotton fabric
Scratch 50 back and forwards with a rub tester	ANSI > B
Light Xenon lamp at 650W/m ²	ANSI A
Water 24 hours in water	ANSI A

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▶ B120E DURABILITY



5 : no damage
 0 : erased

B120E on paper
 B120E on film