

B120E



B120E Thermal Transfer Ribbon

FEATURES

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

APPLICATION AREAS



Tags



Multipurpose Labels



Shipping / Storage / Logistics



Direct Food Contact

GENERAL CONDITIONS

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

Storage life: 24 months after slitting day.

Storage conditions: -20 to 40°C at 10 to 90 % of relative humidity.

CERTIFICATES / REGISTRATION / DIRECTIVES

- TSCA (Toxic Substances Control Act)
- Directive RoHs
- Directive WEEE
- Directive 2003/11/EC
- Directive 2000/53/EC
- Directive 76/769/EC
- ISO EN71-3
- REACH Compliant
- Direct Food Contact

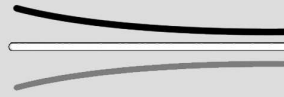


For other directives, please contact us.

RICOH

RIBBON PROPERTIES

Ink melting point: 84°C
 Polyester film thickness: 4.5µm
 Friction coefficient: <0.035



Total ribbon thickness: <9µm
 Tearing resistance: >200N/mm²
 Transmission density: 1.00 mini

PRINTING PROPERTIES

Maximum printing speed: 10 IPS

	Non Coated Paper	Coated Paper	PET	PP	PE	PVC
Compatibility	✓	✓	✓	✓	✓	✓
Image density	1.85	1.85	1.74	1.80	2.05	1.87

Image Resolution for Paper:

Minimum Size: - For the line: 0.2mm
 - For the characters: 1.5mm

Image Resolution for Film:

Minimum Size: - For the line: 0.1mm
 - For the characters: 1.0mm

DURABILITY OF PRINTED IMAGE

TESTS

Smear + heat (30°C):
*Smear with cardboard
 (weight 1kg – 50 back and forwards)*

Heat (110°C):
Heat gradient 3,6kgF/cm²

Scratch:
50 back and forwards with a rub tester

Light:
Xenon lamp at 650W/m²

Water:
24 hours in water

RESULTS

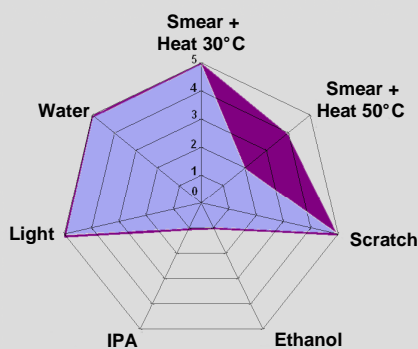
ANSI > B

No ink on the cotton fabric

ANSI > B

ANSI A

ANSI A



B120E Durability:

5: No damage (Good)

0: Erased (Bad)

■ B120E with paper

■ B120E with film

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