

**NEW
PRODUCT**

Flat head & Near edge Wax - Resin

B120BG

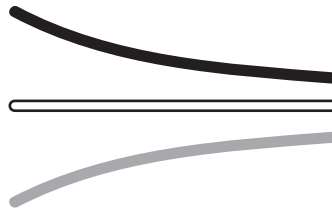
- ▶ Resistance to heat up to 120°C.
- ▶ Improved optical density.
- ▶ Applicable to a wide range of receiving labels: paper, coated paper, PET/PP/PE...
- ▶ Ricoh's unique coating on the back allows reliable and superior matching qualities with the thermal head.

▶ RIBBON PROPERTIES

Total ribbon thickness: < 9µm

Polyester film thickness: 4.5µm

Friction coefficient: < 0.03



Ink melting point: 84°C

Tearing resistance: > 200N/mm²

Transmission density: 1.0 mini

▶ GENERAL CONDITIONS

Usage conditions: 5 to 35°C at 30 to 85% 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
- REACH
- Direct food contact 1935-2004 (pending)



▶ PRINTING PROPERTIES

	Non-coated paper	Coated paper	PET	PE	PP
Compatibility	✓	✓	✓	✓	✓
Image density	1.45	2.11	1.64	1.92	2.13

Maximum printing speed 4 IPS

Note: Smoothness Bekk for paper family must be over 100s.

Image resolution for paper & film:

Minimum size:

- For the lines: 0.2mm

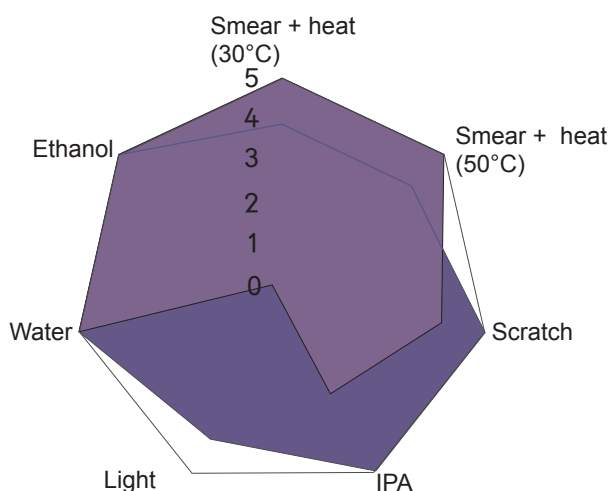
- For the characters: 1.0mm

▶ DURABILITY OF PRINTED IMAGE

TESTS	RESULTS
Smear + heat (50°C) Smear with carboard (weight 1kg - 50 back & forwards)	ANSI A
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 A
Light Xenon lamp at 650W/m ²	ANSI A
Water 24 hours in water	ANSI A

- February 2017

▶ B120BG DURABILITY



5 : no damage

0 : erased

 B120BG on paper

 B120BG on film