

**NEW  
PRODUCT**

Flat head

Premium Wax - Resin

# B120CS

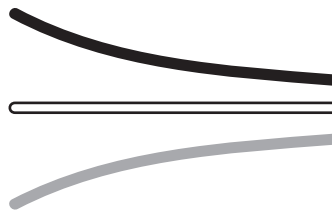
- ▶ Extreme resistance to heat up to 280°C.
- ▶ Exceptional smear resistance similar to resin grades.
- ▶ Applicable to a wide range of receiving labels: paper, coated paper, PET/PP/PE/PVC films...
- ▶ Ricoh's unique coating on the back allows reliable and superior matching qualities with the thermal head.

## ▶ RIBBON PROPERTIES

Total ribbon thickness: < 9µm

Polyester film thickness: 4.5µm

Friction coefficient: < 0.03



Ink melting point: 97°C

Tearing resistance: > 200N/mm<sup>2</sup>

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
- ISO EN71-3
- REACH
- Direct food contact (pending)

**ISEGA**  
Pending



EU  
Pending



## ▶ PRINTING PROPERTIES

	Non-coated paper	Coated paper	PET	PE
Compatibility	☑	☑	☑	☑
Image density	1.46	1.72	1.73	1.68

Maximum printing speed 10 IPS

Note: Smoothness Bekk for paper family must be over 200s.

Image resolution for paper & film:

Minimum size:

- For the lines: 0.1mm

- For the characters: 1.0mm

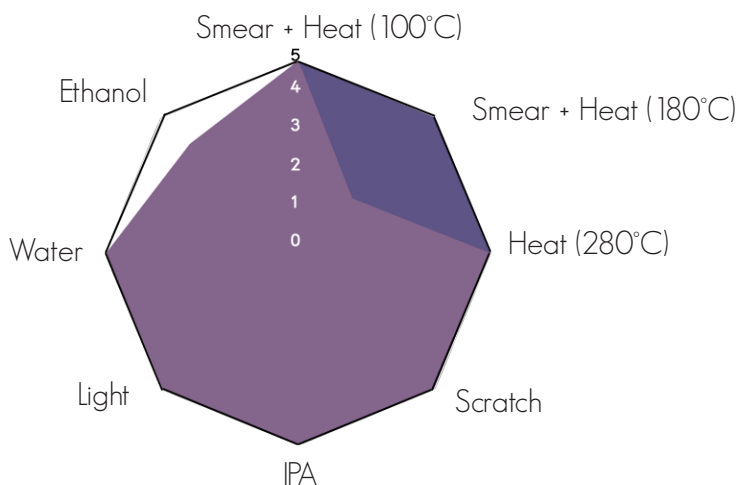
## ▶ DURABILITY OF PRINTED IMAGE

TESTS	RESULTS	B120CS on a white matt polyester
Smear + heat (100°C) Smear with carboard (weight 1kg - 50 back & forwards)	ANSI A	<b>Engine oil</b> 50
Heat (280°C) Heat gradient 3,6kgF/cm <sup>2</sup>	No ink on the cotton fabric	<b>Windshieldwasher</b> 50
Scratch 50 back and forwards with a rub tester	ANSI A	<b>Diesel</b> 15
Light Xenon lamp at 650W/m <sup>2</sup>	ANSI A	<b>Unleaded petrol</b> 5
Water 24 hours in water	ANSI A	<b>IPA</b> 35
		<b>Ethanol</b> 40

Back & forwards until a beginning of erase

- January 2016 -

## ▶ B120CS DURABILITY



5 : no damage

0 : erased

B120CS on paper

B120CS on film