

B120EC

Standard

Resin • Flat head • Near Edge

- Higher heat resistance up to 150°C
- Excellent chemical and solvent resistance
- Applicable to a wide range of synthetic materials: 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 top-coated paper	Top-coated paper	PET	PE	PP
Compatibility	Partial	✓	✓	✓	✓
Image density	-	1.76	1.60	1.81	2.05

Note: Smoothness Bekk for paper family must be over 2000s.

Image resolution for paper & film:

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

Application



Electronics



Heat resistance

RIBBON PROPERTIES

- Total ribbon thickness: < 9 µm
- Polyester film thickness: 4.5 µm
- Friction coefficient: < 0.045
- Ink melting point: 97°C
- Tearing resistance: > 200N/mm²
- Transmission density: 0.65 mini

CERTIFICATES/ DIRECTIVES

TSCA ✓
Toxic Substance
Control Act

RoHS ✓
Restriction of Hazardous
Substances

WEEE ✓
Waste Electrical &
Electronic Equipment

REACH ✓
Chemical &
Environment

BS 5609 ✓
Section III
Certification BS 5609
Section III

ISO EN71-3 ✓
European
Standard EN71

2003/11/EC ✓
Directive 2003/11/EC

2000/53/EC ✓
Directive 2000/53/EC

76/769/EEC ✓
Directive 76/769/EEC



GENERAL CONDITION

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

Storage conditions: Keep indoor avoiding high temperature, high humidity, direct sunlight.

Storage life: 12 months after slitting day.

RICOH
imagine. change.

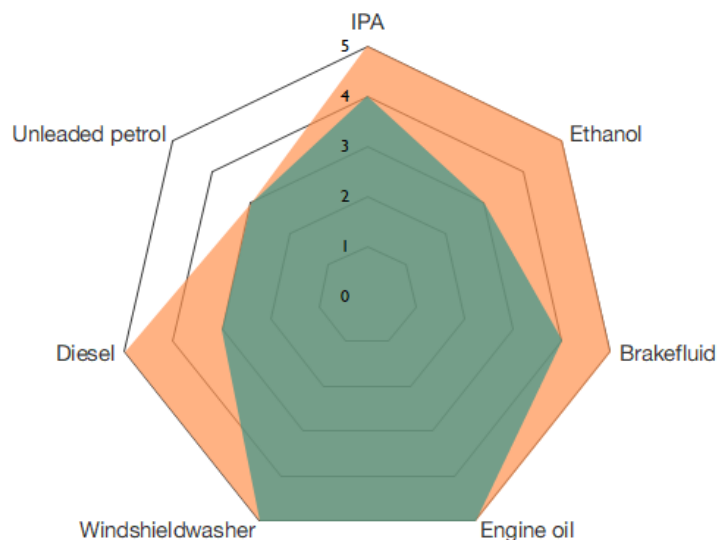
PRINTED IMAGE DURABILITY

Test lead with flat head technology

TESTS	RESULT	B120EC with standard matt white polyester
Smear + heat 100°C	ANSI A	
Smear with cardboard (weight 1kg - 50 back & forwards)		Engine oil 250
Heat (150°C)	No ink on the cotton fabric	Brakefluid 8
Heat gradient 3.6kgF/cm ²		Windshieldwasher 250
Scratch	ANSI A	Diesel 250
50 back and forwards with a rub tester		Unleaded petrol 150
Light	ANSI A	IPA 170
Xenon lamp at 650W/m ²		Ethanol 40
Water	ANSI A	
24 hours in water		

Back & forwards until beginning of erase

B1120EC DURABILITY



5: No damage

0: Erased

 B120EC with Standard white polyester

 B120EC with specific* polyester
*dedicated to solvent resistance

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

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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