

B120EC

Multipurpose

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

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 / COMPLIANCE



Application



Electronics



Heat resistance



Food



Automotive



Scan to access product page

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.

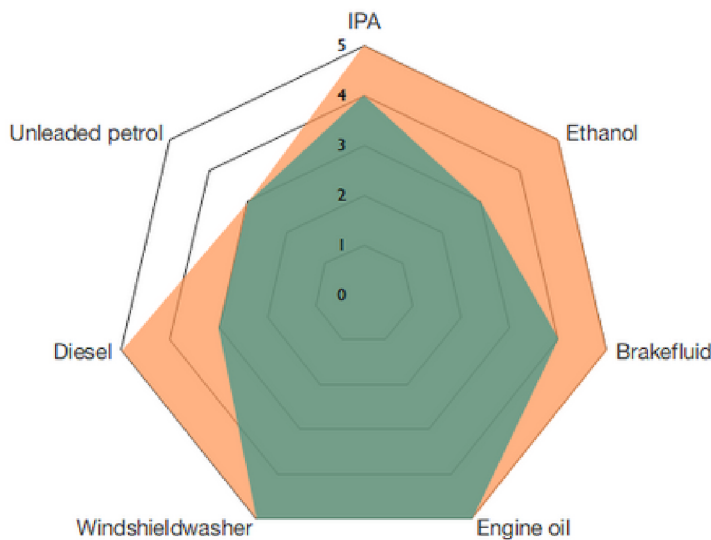
PRINTED IMAGE DURABILITY

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)

RICOH VIETNAM COMPANY LIMITED

f17, E.town Central, 11 Doan Van Bo Street, Ward 13, District 4, HCMC

Tel: +84 28-3528 5252

Fax: +84 28-3636 7211

Email: Thermal@ricoh.com.vn

Website: www.ricoh.com.vn/products/thermal



Scan to access product page

* Specifications are subjected to change without notice.

* The color(s) of the actual product may vary from the color(s) shown in this datasheet