

# B120EC

Resin • Flat head • Near Edge

Multipurpose

- 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/mm<sup>2</sup>
- Transmission density: 0.65 mini

## CERTIFICATES/ DIRECTIVES

<b>TSCA</b> ✓ Toxic Substance Control Act	<b>RoHS</b> ✓ Restriction of Hazardous Substances	<b>WEEE</b> ✓ Waste Electrical & Electronic Equipment	<b>REACH</b> ✓ Chemical & Environment	<b>BS 5609 Section III</b> ✓ Certification BS 5609 Section III
<b>ISO EN71-3</b> ✓ European Standard EN71	<b>2003/11/EC</b> ✓ Directive 2003/11/EC	<b>2000/53/EC</b> ✓ Directive 2000/53/EC	<b>76/769/EEC</b> ✓ Directive 76/769/EEC	<b>UL certificate</b> ✓ Safety Certification

Application



Electronics



Heat resistance



Food



Automotive

## 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.

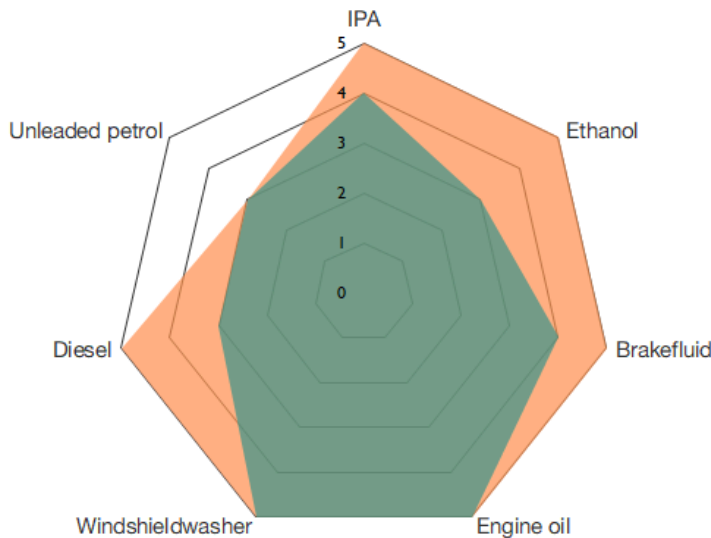
## PRINTED IMAGE DURABILITY

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 <sup>2</sup>		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 <sup>2</sup>		Ethanol 40
Water	ANSI A	
24 hours in water		

Back & forwards until beginning of erase


## B120EC 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)

## IMS DIVISION

### RICOH (THAILAND) LTD

341 Onnuj Road, Prawet, Prawet, Bangkok 10250, Thailand

Tel: 02-088-8888

Email: RTHIMS@Ricoh.co.th Website: www.ricoh.co.th

\* Specifications are subjected to change without notice.

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



Scan to visit product's page