

# 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.

## 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



Electronics



Heat resistant

## CERTIFICATIONS / DIRECTIVES

- TSCA (Toxic Substances Control Act)
- RoHS
- WEEE
- 2003/11/EC
- 2000/53/EC
- 76/769/EEC
- ISO EN71-3
- BS 5609 Section III
- REACH



For any other request, please feel free to contact [sales.ttr@ricoh-industrie.fr](mailto:sales.ttr@ricoh-industrie.fr)

# 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.

**RICOH**  
imagine. change.

## PRINTING PROPERTIES

Maximum printing speed 10 IPS

	Non coated paper	Coated paper	PET	PP	PE
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:

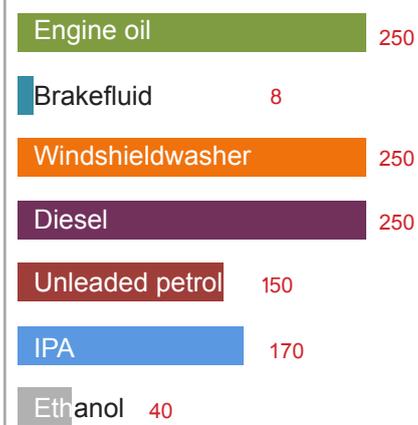
Minimum size:

- For the lines: 0.1mm

- For the characters: 1.0mm

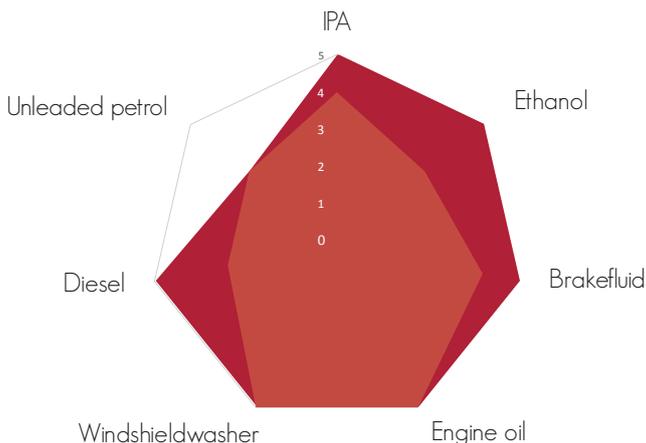
## PRINTED IMAGE DURABILITY

Tests lead with flat head technologie

TESTS	RESULTS	B120EC with standard matt white polyester
Smear + heat (100°C) Smear with carboard (weight 1kg - 50 back & forwards)	ANSI A	
Heat (150°C) Heat gradient 3,6kgF/cm <sup>2</sup>	No ink on cotton fabric	
Scratch 50 back and forwards with a rub tester	ANSI A	
Light Xenon lamp at 650W/m <sup>2</sup>	ANSI A	
Water 24 hours in water	ANSI A	Back & forwards until a beginning of erase

- August 2017

## B120EC DURABILITY



5 : no damage  
0 : erased

 B120EC with standard white polyester

 B120EC with specific\* polyester

\*dedicated to solvent resistance