

B120EC

Flat head - Near edge

Resin

Black

FEATURES

- 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.

APPLICATION AREA



Electronics

GENERAL CONDITIONS

Usage conditions: 5 to 40°C with 10 to 95% 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 / REGISTRATIONS / DIRECTIVES

- TSCA (Toxic Substances Control Act)
- RoHs
- WEEE
- 2003/111/EC
- 2000/53/EC
- 76/769/EEC
- ISO EN71-3
- REACH
- Direct food contact

For other directives, please contact us.

ISEGA

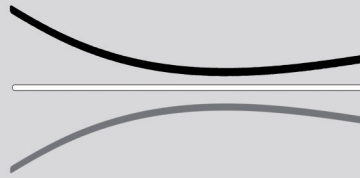


RIBBON PROPERTIES

Ink melting point: 97°C

Polyester film thickness: 4.5µm

Friction coefficient: < 0.045



Total ribbon thickness: < 9µm

Tearing resistance: > 200N/mm²

Transmission density: 0.65 mini

PRINTING PROPERTIES

Maximum printing speed: 10IPS

	Non coated paper	Coated paper	PET	PP	PE
Compatibility	Partial	✓	✓	✓	✓
Image density	-	1.76	1.60	1.81	2.05

Note: Smoothness Bekk for receiving materials must be over 2000s.

Image resolution for film:

Minimum size: - For the lines: 0.1mm

- For the characters: 1.0mm

DURABILITY OF PRINTED IMAGE

- Tests made with flat head technology

TESTS

Smear + heat (100°C)

Smear with cardboard

(weight 1kg -50 back and forwards)

Heat (150°C)

Heat gradient 3,6kgf/cm²

Scratch

50 back and forwards with a rub tester

Light

Xenon lamp at 650W/m²

Water

24 hours in water

RESULTS

ANSI > B

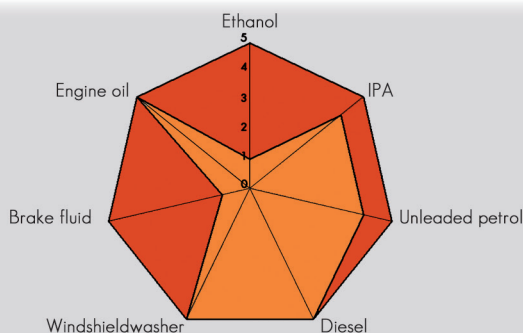
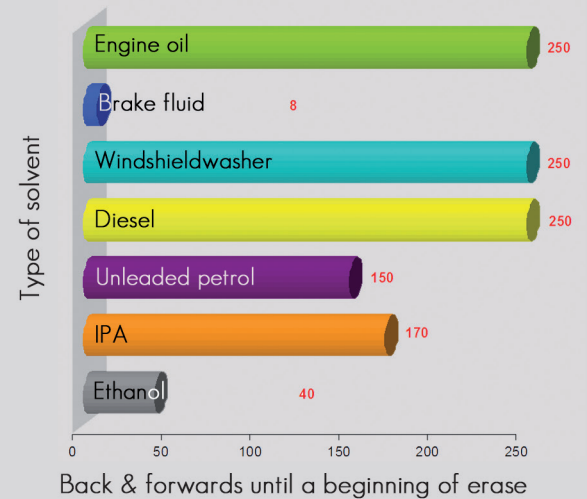
No ink on the cotton fabric

ANSI > B

ANSI A

ANSI A

B120EC with standard matt white polyester



B120EC durability

5: No damage (Good)

0: Erased (Bad)

Orange: B120EC with standard white polyester

Red: B120EC with specific* polyester

* dedicated to solvent resistance

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