

Flat head

Resin

# B110CR

Black

## FEATURES

- Higher heat resistance up to 200°C.
- Excellent chemical, solvent and scratch resistance.
- High resolution for 600DPI printers.
- **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 AREAS



Automotive



Chemical industry



Electronics



Healthcare

## GENERAL CONDITIONS

**Usage conditions:** 5 to 35°C with 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.

## CERTIFICATIONS / REGISTRATION / DIRECTIVES

- TSCA (Toxic Substances Control Act)
- RoHs
- WEEE
- 2003/11/EC
- 2000/53/EC
- 76/769/EEC
- ISO EN71-3
- REACH



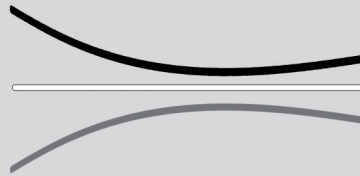
*For other directives, please contact us.*

## RIBBON PROPERTIES

Ink melting point: 97°C

Polyester film thickness: 4.5µm

Friction coefficient: < 0.050



Total ribbon thickness: < 9µm

Tearing resistance: > 200N/mm<sup>2</sup>

Transmission density: 0.65mini

## PRINTING PROPERTIES

Maximum printing speed: 8IPS

	Non coated paper	Coated paper	PET	PP	PE	PVC
Compatibility	X	X	✓	✓	✓	✓
Image density	-	-	1.83	1.86	2.03	1.72

**Note:** Smoothness Bekk fo film 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

Smear + heat (100°C)

Smear with cardboard

(weight 1kg - 50 back and forwards)

Heat (220°C)

Heat gradient 3,6kgf/cm<sup>2</sup>

Scratch

50 back and forwards with a

rub tester

Light

Xenon lamp at 650W/m<sup>2</sup>

Water

24 hours in water

### RESULTS

ANSI > B

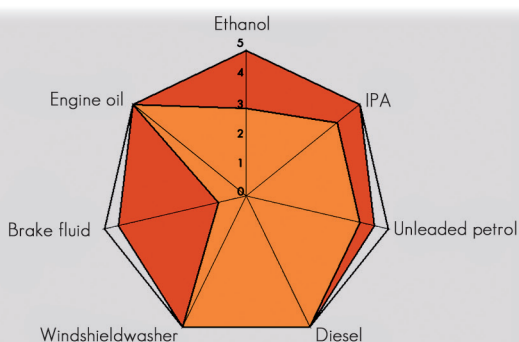
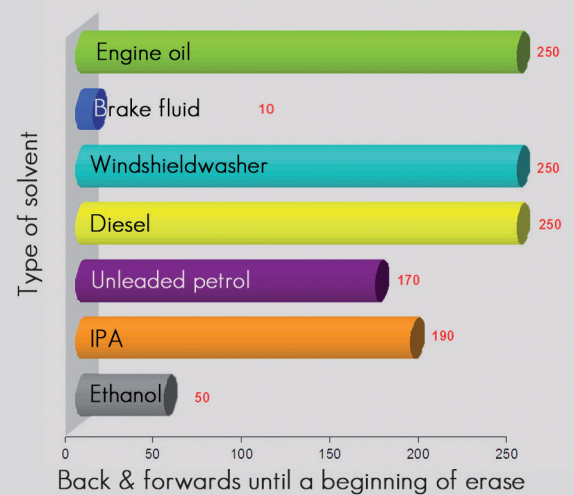
No ink on the cotton fabric

ANSI > B

ANSI A

ANSI A

### B110CR with standard matt white polyester



### B110CR durability

5: No damage (Good)

0: Erased (Bon)

Orange: B110CR with standard white polyester

Red: B110CR 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)