

Flat head

Resin

# B110C

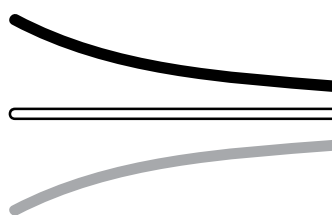
- Higher heat resistance up to 150°C.
- Good chemical and solvent resistance.
- Applicable to a wide range of synthetic materials: PET/PP/PE/PVC films...
- Ricoh's unique coating on the back allows reliable and superior matching qualities with the thermal head.

## ► RIBBON PROPERTIES

Total ribbon thickness: < 9µm

Polyester film thickness: 4.5µm

Friction coefficient: < 0.045



Ink melting point: 83°C

Tearing resistance: > 200N/mm²

Transmission density: 1.00 mini

## ► 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.

## ► CERTIFICATES / REGULATIONS / DIRECTIVES

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



## ▶ PRINTING PROPERTIES

|               | Non-coated paper | Coated paper | PET  | PP   | PE   | PVC  |
|---------------|------------------|--------------|------|------|------|------|
| Compatibility | X                | X            | ✓    | ✓    | ✓    | ✓    |
| Image density | -                | -            | 1.53 | 1.57 | 1.57 | 1.46 |

Maximum printing speed 4 IPS

Note: Smoothness Bekk for paper family must be over 2000s.

Image resolution for paper & film:

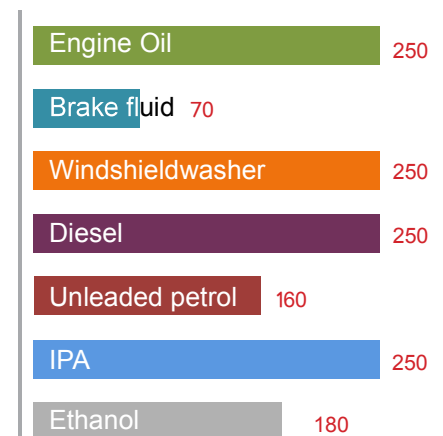
Minimum size:

- For the lines: 0.1mm

- For the characters: 1.0mm

## ▶ DURABILITY OF PRINTED IMAGE

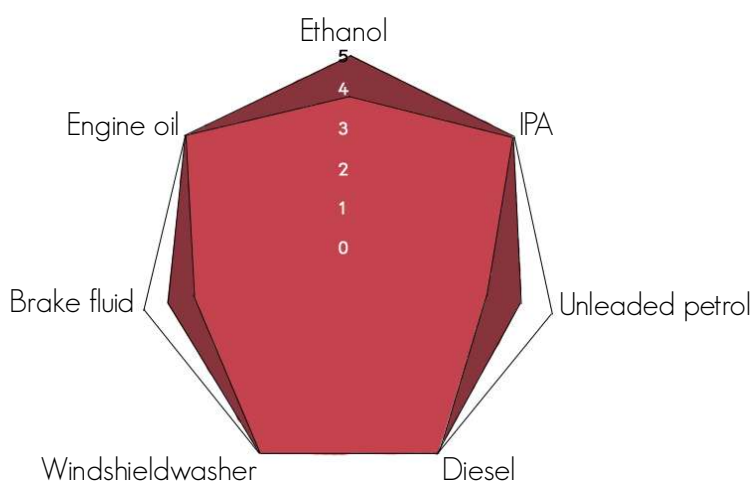
| TESTS                                                                            | RESULTS                     | B110C with standard matt white polyester |
|----------------------------------------------------------------------------------|-----------------------------|------------------------------------------|
| Smear + heat (100°C)<br>Smear with carboard<br>(weight 1kg - 50 back & forwards) | ANSI > B                    |                                          |
| Heat (220°C)<br>Heat gradient 3,6kgF/cm <sup>2</sup>                             | No ink on the cotton fabric |                                          |
| Scratch<br>50 back and forwards with a rub tester                                | ANSI > B                    |                                          |
| Light<br>Xenon lamp at 650W/m <sup>2</sup>                                       | ANSI A                      |                                          |
| Water<br>24 hours in water                                                       | ANSI A                      |                                          |



- May 2014 -

Back & forwards until a beginning of erase

## ▶ B110C DURABILITY



5 : no damage

0 : erased

■ B110C with standard white polyester

■ B110C with specific\* polyester

\* dedicated to solvent resistance

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