

# B110CR

Resin • Flat head

Ultra Durability

- Higher heat resistance up to 200°C
- Excellent chemical, solvent and scratch resistance
- High resolution for 300 - 600 dpi printer
- 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 8 IPS

|               | Non top-coated paper | Top-coated paper * | PET  | PE   | PP   | PVC  |
|---------------|----------------------|--------------------|------|------|------|------|
| Compatibility | ✗                    | Partial            | ✓    | ✓    | ✓    | ✓    |
| Image density | -                    | -                  | 1.83 | 1.86 | 2.03 | 1.72 |

Note: Smoothness Bekk for paper family must be over 200s.

\* Need to be tested

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: < 0.050
- Ink melting point: 97°C
- Tearing resistance: > 200N/mm<sup>2</sup>
- Transmission density: 0.65 mini

## CERTIFICATES



## Application



Automotive



Electronics



Chemical industry



Healthcare



Heat resistance

## 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: 24 months after slitting day.

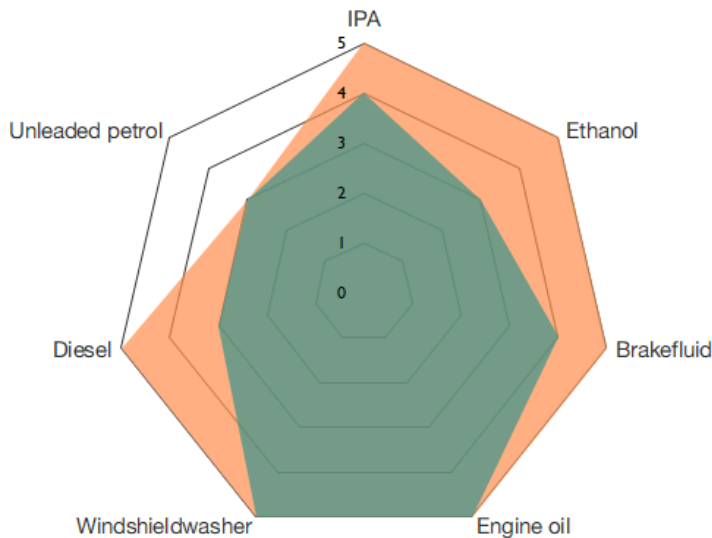
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## PRINTED IMAGE DURABILITY

| TESTS   | RESULT                      | B110CR with standard white polyester |
|---|-----------------------------|--------------------------------------|
| Smear + heat 50°C   | ANSI A                      |                                      |
| Smear with cardboard<br>(weight 1kg - 50 back & forwards) |                             | Engine oil 250                       |
| Heat (200°C)  | No ink on the cotton fabric | Brakefluid 10                        |
| 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 170                  |
| Light   | ANSI A                      | IPA 190                              |
| Xenon lamp at 650W/m <sup>2</sup>                         |                             | Ethanol 70                           |
| Water   | ANSI A                      |                                      |
| 24 hours in water   |                             |                                      |

Back & forwards until beginning of erase

## B110CR DURABILITY



5: No damage  
0: Erased

■ B110CR with Standard white polyester  
■ B110CR 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

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\* Specifications are subjected to change without notice.

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



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