

Flat head

Resin

B110CU

Black

FEATURES

- Higher heat resistance up to 250°C.
- Ultra chemical & solvent resistance.
- Usage on dedicated receiving materials (listed below).
- 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.

CERTIFICATES / REGISTRATION / DIRECTIVES

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

For other directives, please contact us.

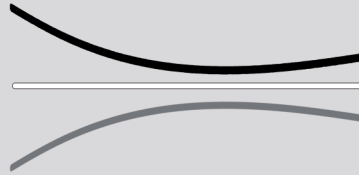


RIBBON PROPERTIES

Ink melting point: 112°C

Polyester film thickness: 4.5µm

Friction coefficient: < 0.045



Total ribbon thickness: < 9µm

Tearing resistance: > 200N/mm²

Transmission density: 0.65mini

PRINTING PROPERTIES

Maximum printing speed: 3IPS

	Non coated paper	Coated paper	Recommended white PET	Recommended white PP	Recommended silver PP
Compatibility	X	X	✓	✓	✓
Image density	-	-	1.65	1.81	1.68

Image resolution for film:

Minimum size: - For the lines: 0.1mm

- For the characters : 1.0mm

RECEIVING MATERIALS

B110CU must only be used on the following materials to achieve its resistance.

- **Recommended:**

FLEXcon P-300-HW MTC410 (White PP), 3M 76962 AR MW, PET50 (Silver PET), 76964 AR MS PET50 (Silver PET), 76959 AR MV PP60 (White PP), Hanita Coatings K05077P (White glossy), Hueck Folien Hiperprime series.

- **Materials with good compatibility:**

MADICO DURAFOIL (White and Silver PET), FLEXcon THERMfilm CHEMGARD Series (White, Silver and Transparent PET), 3M 7870E (White PET), Fasson Transfer PET matt white / silver Top Chem Res (White and silver PET).

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/cm²

Scratch
50 back and forwards with a rub tester

Light
Xenon lamp at 650W/m²

Water
24 hours in water

RESULTS

ANSI > B

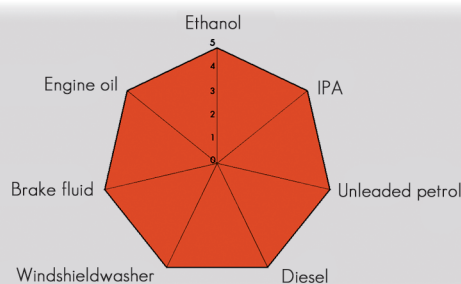
No ink on the cotton fabric

ANSI > B

ANSI A

ANSI A

B110CU with dedicated white polyester



B110CU durability

5: No damage (Good)

0: Erased (Bad)

B110CU with dedicated white polyester

