

B110CU

Flat Head

Resin

Black



B110CU Thermal Transfer Ribbon

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



Electronics



Chemical Industry



Healthcare

GENERAL CONDITIONS

Usage conditions: 5 to 35°C at 30 to 85% of humidity rate.

Storage life: 24 months after slitting day.

Storage conditions: Keep-in-door, avoiding high temperature (such as beside heat source), high humidity, direct sun light...

CERTIFICATES / REGISTRATION / DIRECTIVES

- TSCA (Toxic Substances Control Act)
- Directive RoHs
- Directive WEEE
- Directive 2003/11/EC
- Directive 2000/53/EC
- Directive 76/769/EC
- REACH Compliant
- BS 5609



For other directives, please contact us.

RICOH

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: 0.65 mini

PRINTING PROPERTIES

Maximum printing speed: 3 IPS

	Non Coated Paper	Coated Paper	Recommended PET White	Recommended PP White	Recommended PET Silver
Compatibility	no	no	✓	✓	✓
Image density	-	-	1.65	1.81	1.68

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

Image Resolution for Film:

Minimum Size: - For the line: 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 MW PP60 (White PP); **Hanita Coatings** K05077P (White glossy)

•**Materials with good compatibility:** (The above resistance is not always fully achieved)

MADICO DURAFOL (White PET, 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 (200°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

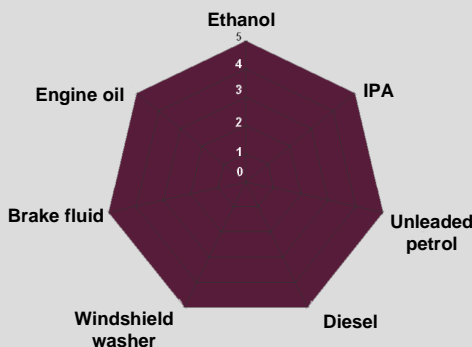
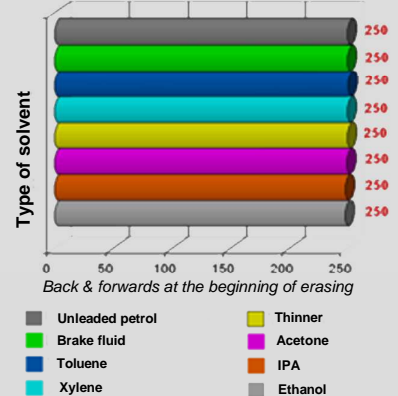
No ink on the cotton fabric

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