

Flat head

Resin

B110CU

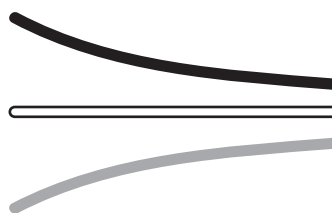
- ▶ Higher heat resistance up to 250°C.
- ▶ Ultra chemical & solvent resistance.
- ▶ Usage on dedicated receiving materials (listed below).
- ▶ Ricoh's unique coating on the back allows reliable and superior matching qualities with the thermal head.

▶ RIBBON PROPERTIES

Total ribbon thickness: < 9µm

Polyester film thickness: 4.5µm

Friction coefficient: < 0.050



Ink melting point: 112°C

Tearing resistance: > 200N/mm²

Transmission density: 0.65 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
- BS 5609
- REACH



▶ PRINTING PROPERTIES

	Non-coated paper	Coated paper	White recommended PET	White recommended PP	Silver recommended PP
Compatibility	X	X	✓	✓	✓
Image density	-	-	1.65	1.81	1.68

Maximum printing speed 3 IPS

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 (White 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:

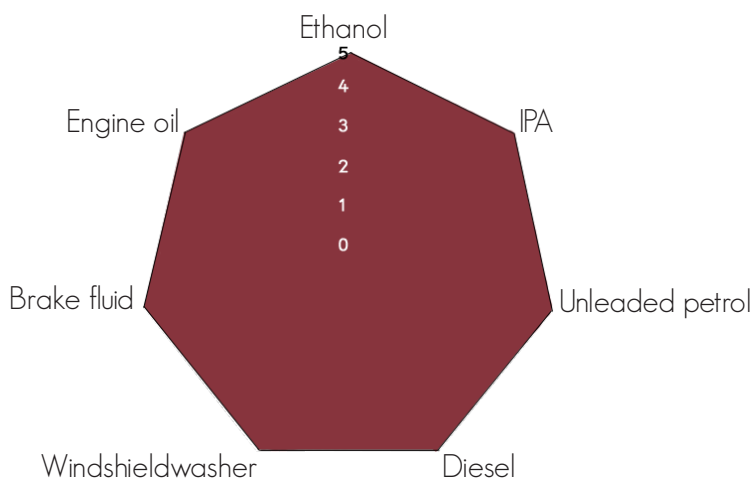
MADICO DURAFOL (White and Silver PET), FLEXcon THERMfilm CHEMGARD Series (White, Silver and Transparent PET), 3M 7870E (White PET), Fasson Transfer PET matt white / silver Top Chem Res (White and silver PET).

▶ DURABILITY OF PRINTED IMAGE

TESTS	RESULTS	B110CU with standard matt white polyester
Smear + heat (100°C) Smear with carboard (weight 1kg - 50 back & forwards)	ANSI > B	<ul style="list-style-type: none"> Unleaded petrol 250 Brake fluid 250
Heat (250°C) Heat gradient 3,6kgF/cm ²	No ink on the cotton fabric	<ul style="list-style-type: none"> Toluene 250 Xylene 250
Scratch 50 back and forwards with a rub tester	ANSI > B	<ul style="list-style-type: none"> Thinner 250 Acetone 250
Light Xenon lamp at 650W/m ²	ANSI A	<ul style="list-style-type: none"> IPA 250
Water 24 hours in water	ANSI A	<ul style="list-style-type: none"> Ethanol 250

Back & forwards until a beginning of erase

▶ B110CU DURABILITY



5 : no damage

0 : erased

B110CU with dedicated white polyester

- May 2014 -