

B110CR

Flat Head

Resin

Black

B110CR Thermal Transfer Ribbon



FEATURES

- Higher heat resistance up to 200°C.
- Excellent chemical, solvent and scratch resistance.
- High resolution for 600DPI printers.
- **Applicable to a wide range of synthetic materials: film PET/PP/PE/PVC...**
- Ricoh's unique coating on the back allows reliable and superior matching qualities with the thermal head.

APPLICATION AREAS



Automotive



Healthcare



Chemical Industry



Electronics

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-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
- ISO EN71-3
- REACH Compliant

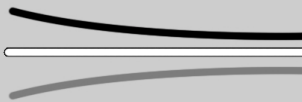


For other directives, please contact us.

RICOH

RIBBON PROPERTIES

Ink melting point: 97°C
 Polyester film thickness: 4.5µm
 Friction coefficient: <0.050



Total ribbon thickness: <9µm
 Tearing resistance: >200N/mm²
 Transmission density: 0.65 mini

PRINTING PROPERTIES

Maximum printing speed: 8 IPS

	Non Coated Paper	Coated Paper	PET	PP	PE	PVC
Compatibility	no	no	✓	✓	✓	✓
Image density	-	-	1.83	1.86	2.03	1.72

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

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

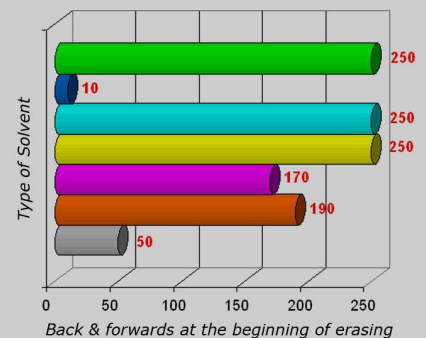
No ink on the cotton fabric

ANSI > B

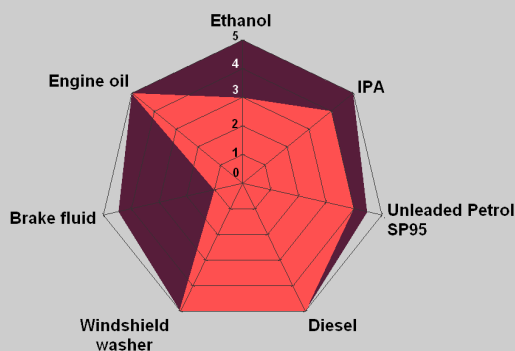
ANSI A

ANSI A

B110CR with Standard Matt White Polyester



■ Engine oil ■ Unleaded petrol SP95
■ Brake fluid ■ IPA
■ Windshield washer ■ Ethanol
■ Diesel



B110CR Durability:

5: No damage (Good)

0: Erased (Bad)

■ B110CR with **standard** white polyester

■ B110CR with **specific** polyester*

*dedicated to solvent resistance

Note: These performances are for guidance only. Results are obtained with adapted receiving material and optimum print conditions (Ricoh test method).