B110CR

B110CR Thermal Transfer Ribbon

Flat Head

Resin

Black

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
- Electronics
- Chemical Industry
- Healthcare

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.

UL Approved

afaq ISO 9001 ISO 14001 Qualité Environnement AFNOR CERTIFICATION

AEO

RICOH

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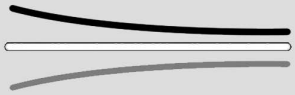
RIBBON PROPERTIES

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:

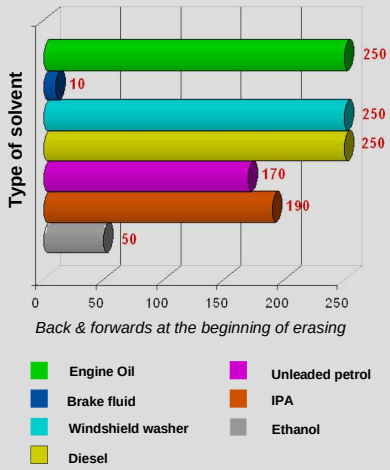
Minimum Size: - For the line: 0.1mm

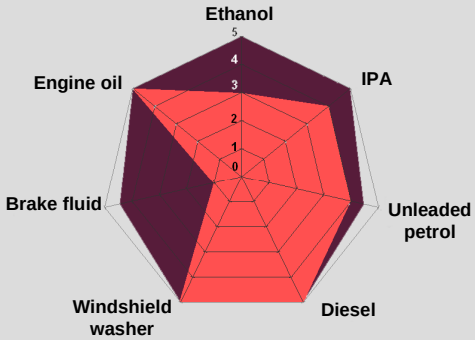
- For the characters: 1.0mm

DURABILITY OF PRINTED IMAGE

TESTS	RESULTS
Smear + heat (100°C): *Smear with cardboard (weight 1kg – 50 back and forwards)*	**ANSI > B**
Heat (200°C): *Heat gradient 3,6kgF/cm²*	**No ink on the cotton fabric**
Scratch: *50 back and forwards with a rub tester*	**ANSI > B**
Light: *Xenon lamp at 650W/m²*	**ANSI A**
Water: *24 hours in water*	**ANSI A**

B110CR with standard matt white polyester





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).

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