

B110CR

Resin • Flat head

Ultra Durability

- Higher heat resistance up to 200°C
- Excellent chemical, solvent and scratch resistance
- High resolution for 300 - 600 dpi printer
- Applicable to a wide range of synthetic materials: PET/PP/PE/PVC films...
- Ricoh's unique coating on the back allows reliable and superior matching qualities with the thermal head

PRINTING PROPERTIES

Maximum printing speed 8 IPS

	Non top-coated paper	Top-coated paper *	PET	PE	PP	PVC
Compatibility	✗	Partial	✓	✓	✓	✓
Image density	-	-	1.83	1.86	2.03	1.72

Note: Smoothness Bekk for paper family must be over 200s.

* Need to be tested

Image resolution for paper & film:

Minimum size: - For the lines: 0.1mm

- For the characters: 1.0mm

RIBBON PROPERTIES

- Total ribbon thickness: < 9 µm
- Polyester film thickness: 4.5 µm
- Friction coefficient: < 0.050
- Ink melting point: 97°C
- Tearing resistance: > 200N/mm²
- Transmission density: 0.65 mini

CERTIFICATES/ DIRECTIVES

TSCA ✓
Toxic Substance Control Act

RoHS ✓
Restriction of Hazardous Substances

WEEE ✓
Waste Electrical & Electronic Equipment

REACH ✓
Chemical & Environment

ISO EN71-3 ✓
European Standard EN71

2003/11/EC ✓
Directive 2003/11/EC

2000/53/EC ✓
Directive 2000/53/EC

76/769/EEC ✓
Directive 76/769/EEC

Application



Automotive



Electronics



Chemical industry



Healthcare



Heat resistance

GENERAL CONDITION

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

Storage conditions: Keep indoor avoiding high temperature, high humidity, direct sunlight.

Storage life: 24 months after slitting day.

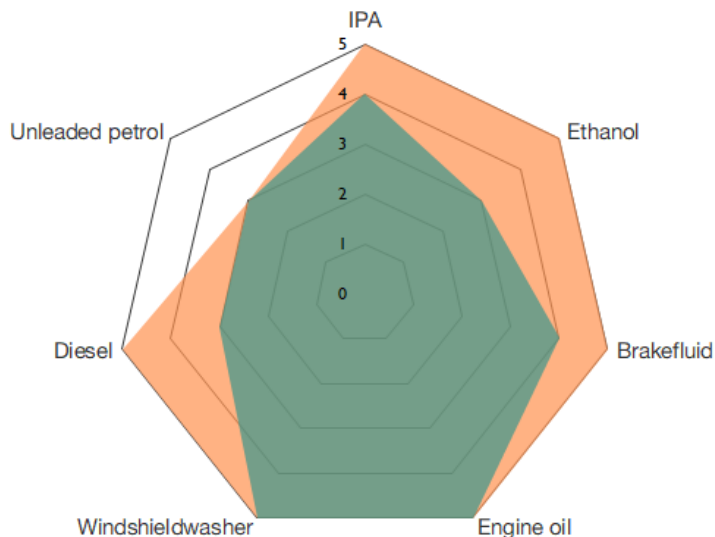
RICOH
imagine. change.

PRINTED IMAGE DURABILITY

TESTS	RESULT	B110CR with standard white polyester
Smear + heat 50°C	ANSI A	
Smear with cardboard (weight 1kg - 50 back & forwards)		Engine oil 250
Heat (200°C)	No ink on the cotton fabric	Brakefluid 10
Heat gradient 3.6kgF/cm ²		Windshieldwasher 250
Scratch	ANSI A	Diesel 250
50 back and forwards with a rub tester		Unleaded petrol 170
Light	ANSI A	IPA 190
Xenon lamp at 650W/m ²		Ethanol 70
Water	ANSI A	
24 hours in water		

Back & forwards until beginning of erase

B110CR DURABILITY



5: No damage
0: Erased

■ B110CR with Standard white polyester

■ B110CR with specific* polyester
*dedicated to solvent resistance

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

IMS DIVISION

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* Specifications are subjected to change without notice.

* The color(s) of the actual product may vary from the color(s) shown in this datasheet



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