

B110C

- ▶ Higher heat resistance up to 150°C.
- ▶ Good chemical and solvent resistance.
- ▶ 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.

▶ RIBBON PROPERTIES

Total ribbon thickness: < 9µm

Polyester film thickness: 4.5µm

Friction coefficient: < 0.045



Ink melting point: 83°C

Tearing resistance: > 200N/mm²

Transmission density: 1.00 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
- REACH



▶ PRINTING PROPERTIES

	Non-coated paper	Coated paper	PET	PP	PE	PVC
Compatibility	X	X	✓	✓	✓	✓
Image density	-	-	1.53	1.57	1.57	1.46

Maximum printing speed 4 IPS

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

Image resolution for paper & film:

Minimum size:

- For the lines: 0.1mm

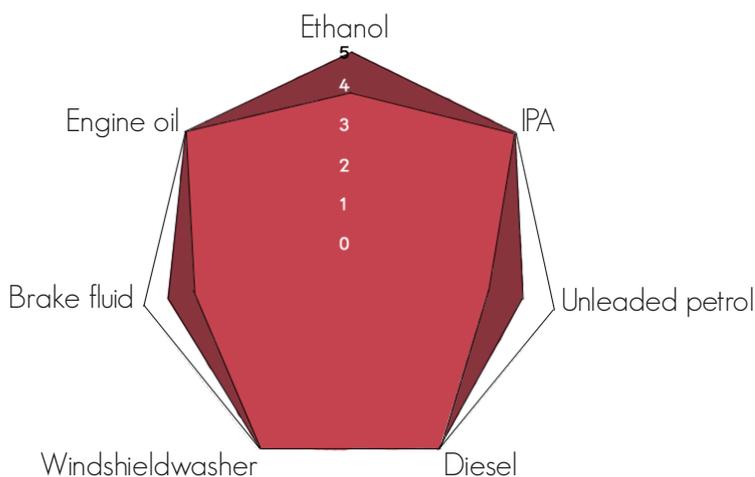
- For the characters: 1.0mm

▶ DURABILITY OF PRINTED IMAGE

TESTS	RESULTS	B110C with standard matt white polyester	
Smear + heat (100°C) Smear with carboard (weight 1kg - 50 back & forwards)	ANSI > B	<p>Engine Oil 250 Brake fluid 70 Windshieldwasher 250 Diesel 250 Unleaded petrol 160 IPA 250 Ethanol 180</p>	
Heat (220°C) Heat gradient 3,6kgF/cm ²	No ink on the cotton fabric		
Scratch 50 back and forwards with a rub tester	ANSI > B		
Light Xenon lamp at 650W/m ²	ANSI A		
Water 24 hours in water	ANSI A		
			Back & forwards until a beginning of erase

- May 2014 -

▶ B110C DURABILITY



5 : no damage

0 : erased

B110C with standard white polyester

B110C with specific* polyester

* dedicated to solvent resistance