

**NEW
PRODUCT**

Flat head & Near edge Resin

B120CG

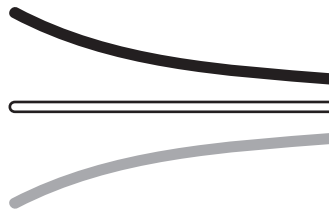
- ▶ Higher heat resistance up to 270°C.
- ▶ Good scratch and heat resistance.
- ▶ Applicable to a wide range of synthetic materials: PET/PP.
- ▶ Ricoh's unique coating on the back allows reliable and superior matching qualities with the thermal head.

▶ RIBBON PROPERTIES

Total ribbon thickness: < 9µm

Polyester film thickness: 4.5µm

Friction coefficient: < 0.050



Ink melting point: 97°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
- REACH



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

▶ PRINTING PROPERTIES

	Non-coated paper	Coated paper	PET	PP
Compatibility	X	X	✓	✓
Image density	-	-	1.39	1.33

Maximum printing speed 4 IPS

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

Image resolution for film:

Minimum size:

- For the lines: 0.2mm

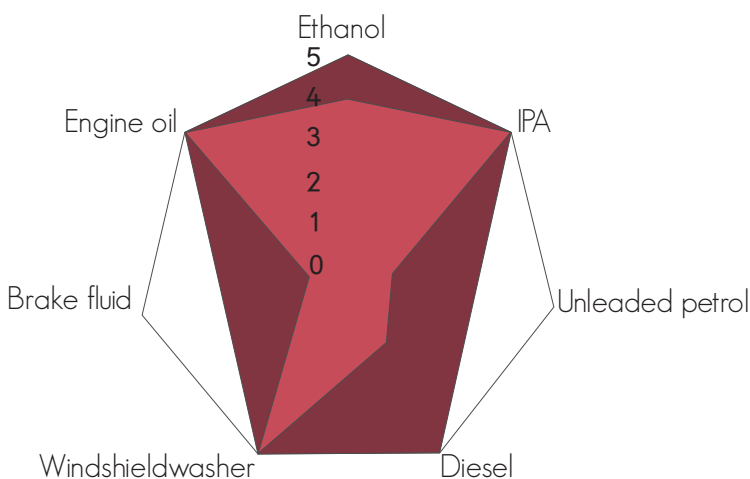
- For the characters: 1.0mm

▶ DURABILITY OF PRINTED IMAGE

TESTS	RESULTS	B120CG on white PET
Smear + heat (100°C) Smear with carboard (weight 1kg - 50 back & forwards)	ANSI > A	<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>Engine Oil 50</p> <p>Brake fluid 6</p> <p>Windshieldwasher 50</p> <p>Diesel 50</p> <p>Unleaded petrol 2</p> <p>IPA 50</p> <p>Ethanol 50</p> </div> <div style="width: 35%; text-align: right;"> <p>Back & forwards until a beginning of erase</p> </div> </div>
Heat (270°C) Heat gradient 3,6kgF/cm ²	No ink on the cotton fabric	
Scratch 50 back and forwards with a rub tester	ANSI > A	
Light Xenon lamp at 650W/m ²	ANSI A	
Water 24 hours in water	ANSI A	

-February 2017 -

▶ B120CG DURABILITY



5 : no damage

0 : erased

B120CG with standard white polyester

B120CG with specific* polyester

* dedicated to solvent resistance