

BC797B

Strong adhesion on aluminum foil, excellent low-temperature scratch resistance, smooth printing, sharp edges, and clear QR codes.



- ✓ Strong adhesion and abrasion resistance on PET, aluminum foils, and BOPP.
- ✓ Smooth coverage with razor-sharp lines and clear QR codes.
- ✓ Excellent scratch resistance for frozen and low temperature packaging.

BC797B is formulated for industrial inline printing, delivering strong adhesion and durable marking across key packaging materials. It performs especially well on PET, aluminum foil, and BOPP, and maintains reliable durability on glass, PP, and PC. Its scratch resistance remains excellent even in frozen and low-temperature packaging.

SUBSTRATES COVERAGE

PET	Aluminium Foil	Glass	BOPP	PP	PC
Nylon	PE	OPP	Wood	Coated Paper	HD Carton

PRODUCT SPECIFICATION

Part Number	BC797B	Cartridge Type: TIJ ink cartridge without the security chip	
Ink Type	Solvent-based Ink	●Black	Colorant Type: Dye
Resolution	Up to 600 dpi (recommended 300x300 dpi)		
Max Print Swath	12.7 mm		
Nozzle Count	300		
Ink Throw Distance	2 -5 mm		
Firing Voltage	8.8 V	* Please conduct test before use, the suitable parameter may be different depending on the printer	
Firing Pulse Width	1.8-2.2μs		
Max. Firing Frequency	12 kHz		
Ink Fill level	47 ml		
Average Delivered Ink	38 ml (Vertical)	31 ml (Horizontal)	
Ink Dry Time	4-6 sec for 2.5mm font, 300x300 dpi 9-11 sec for 12.7mm font, 300x300 dpi	* The printing test results on aluminum foil packaging bags. However, the actual dry time depends on different substrates.	
De-Cap Time	2 hours and above under normal condition and environment * The actual toleration depends on the surrounding temperature and humidity.		
Operation Conditions	15°C – 35°C; 35% – 80% RH		
Shipping/Storage Conditions	5°C – 40°C; 20% – 80% RH		
Printhead Cleaning	Wipe lightly with lint-free dry cloth		
Shelf Life	9 months from ink filled date		

❖ ATTENTION:

- This ink contains alcohol solvents. It is recommended to use it in a well-ventilated room.
- Please clean the printhead before installing the ink cartridge.
- Use a lint-free dry cloth or ethanol-moistened (> 98% IPA) cloth to clean the ink cartridge and printhead. Do not use a general and water-containing wet cloth, as it may cause nozzle clogging or damage.
- Do not shake the clipped cartridge vigorously.
- All data here is based on Bentsai laboratory data, not Printing performance may vary based on conditions and environment, please conduct a printing test carefully before use.
- Dye used in this ink has some water resistance. However, it is not recommended to use this ink for printing on substrates that will be immersed in water.
- All data here is based on Bentsai laboratory data, not guaranteed.

❖ MAINTENANCE AND HANDLING:

- Use a lint-free cloth wipe the printhead nozzle in a single direction from top to bottom
- Hold the cartridge printhead face down, gently press the printhead on a lint-free cloth to let the ink flow out, and then carefully and lightly wipe across the printhead along the edge.
- After use, seal the printhead with the originally attached cartridge clip and store the cartridge with the position of its printhead UP until subsequent use.

❖ SHIPPING AND STORAGE:

- The ink cartridge should be stored with the originally attached clip in a vacuum-sealed pouch until used
- Please store the cartridge with the printhead facing upwards. If it is still in the original sealed carton, store it according to the markings.
- Use the cartridge within two weeks of removing it from the vacuum-sealed pouch for best performance.
- Refer to Safety Data Sheet for more information.



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