



BT PRINT

5801 K

Solvent ink for non-porous media

TECHNICAL DATA SHEET

5801K black solvent thermal inkjet ink is formulated for coding and marking and other high-productivity industrial packaging printing applications.

5801K ink provides excellent adhesion and rub resistance, fast drying time, good print quality far throw distance, high optical density, sharpness and barcode readability on various semi-porous and non-porous substrates such as PET, PVC, PA, OPP and foils.⁽¹⁾

Technical Specifications

	5801 K Print Cartridge
Ink type	Black solvent dye ink
Print cartridge type	Funai Zion
Resolution	Up to 300 dpi
Nozzle count	320
Print swath	13.5 mm
Firing voltage	9.6 V
Pre-fire pulse width	470 ns
Delay	1200 ns
Main-fire pulse width	1300 ns
Pulse warming	OFF
Decap time⁽¹⁾	Up to 10 min
Drying time⁽¹⁾	4 - 5 s at 300 × 200 dpi
Throw distance⁽²⁾	Up to 8 mm, recommended 5 mm
Average delivered ink	40 mL (vertical)
Average drop volume	45 pL
Operating conditions	15 °C to 35 °C, 35% to 80% RH
Shipping / storage temperature	5 °C to 30 °C
Shelf life⁽³⁾	9 months from filling date

Cartridge Shipping & Storage

- The cartridge should be stored in sealed pouch until used.
- Store the cartridge with a clip placed over the printhead. Nozzles down or horizontal.
- Refer to Safety Data Sheet for more information.

Cartridge Maintenance & Handling

- Use a lint-free cloth moistened with ethanol (> 98%) to clean the cartridge printhead. Use of a cloth with lint may clog the nozzles.
- Holding the cartridge printhead face down, gently press the printhead on a lint-free cloth to allow ink to wick out. Then, slowly and lightly wipe across the tip of the long edge.
- Do not shake the cartridge.

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