

5803K

Solvent ink for non-porous media

TECHNICAL DATA SHEET

The 5803K Black MEK Solvent Thermal Inkjet Ink is specifically designed for coding, marking, and a wide range of high-performance industrial packaging printing tasks. This innovative ink formulation not only expands access to CIJ-dominated applications through superior adhesion and rub resistance on various surfaces like metal, steel, glass, PET film, PA film, and BOPP film, but also enhances performance with extended throw distance and fast drying time.

Technical Specifications

Name	5803K Print Cartridge
Ink type	Black solvent dye ink
Print cartridge type	Funai Zion
Resolution	Up to 300 dpi, recommended 300 × 200 dpi
Nozzle count	320
Print swath	13.5 mm
Firing voltage	9.6 V
Pre-fire pulse width	0.8 μ s
Delay width	1.2 μ s
Main-fire pulse width	1.6 μ s
Pulse warming	OFF/ ON 22 °C
Decap time	Up to 20 min
Drying time	1 - 3 s at 300 × 200 dpi
Throw distance	Up to 8 mm
Average delivered ink	40 mL (vertical) and 38 mL (horizontal)
Average drop volume	56 pL
Operating conditions	10 °C to 30 °C, 35% to 80% RH
Shipping / storage temperature	15 °C to 30 °C
Best before	6 months from filling date

Cartridge Shipping & Storage

- Keep the cartridge in its sealed pouch until it is ready for use.
- Always store the cartridge with the clip securely attached to the print-head and position the cartridge with the nozzles facing downward to ensure proper ink distribution and prevent leakage.
- Refer to Safety Data Sheet for more information.

Cartridge Maintenance & Handling

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

Ordering Information

Product number	Product description
5803K42A	5803K Print Cartridge

