

5901K

Solvent ink for non-porous media

TECHNICAL DATA SHEET

The 5901K Black MEK Solvent Thermal Inkjet Ink is designed for coding, marking, and an array of high-efficiency industrial packaging printing tasks. 5901K ink delivers exceptional adhesion and rub resistance, rapid drying time, impressive print quality, extended throw distance, high optical density, sharpness, and barcode readability on a variety of semi-porous and non-porous materials, including PET, PVC, PA, and foils.

Technical Specifications

Name	5901K Print Cartridge
Ink type	Black solvent dye ink
Print cartridge type	Funai Zion
Resolution	Up to 300 dpi, recommended 300 x 200 dpi
Nozzle count	320
Print swath	13.5 mm
Firing voltage	9.6 V
Pre-fire pulse width	0.8 µs
Delay width	1.2 µs
Main-fire pulse width	1.6 µs
Pulse warming	OFF/ ON 30 °C
Decap time	Up to 20 min
Drying time	3 - 4 s at 300 x 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	15 °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

- The cartridge should be stored in sealed pouch until to used.
- Ensure the cartridge is stored with clip securing printhead, NOZZLES DOWN orientation recommended.
- 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
5901K42A	5901K Print Cartridge

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