

# 5901R

## Solvent ink for non-porous media

### TECHNICAL DATA SHEET

The 5901R Red MEK Solvent Thermal Inkjet Ink is designed for coding, marking, and an array of high-efficiency industrial packaging printing tasks. 5901R 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	5901R Print Cartridge
<b>Ink type</b>	Red solvent dye ink
<b>Print cartridge type</b>	Funai Zion
<b>Resolution</b>	Up to 300 dpi, recommended 300 x 200 dpi
<b>Nozzle count</b>	320
<b>Print swath</b>	13.5 mm
<b>Firing voltage</b>	9.3 V
<b>Pre-fire pulse width</b>	0.8 $\mu$ s
<b>Delay width</b>	1.2 $\mu$ s
<b>Main-fire pulse width</b>	1.3 $\mu$ s
<b>Pulse warming</b>	OFF/ ON 25 °C
<b>Decap time</b>	Up to 20 min
<b>Drying time</b>	5 s at 300 x 200 dpi
<b>Throw distance</b>	Up to 8 mm
<b>Average delivered ink</b>	40 mL (vertical) and 38 mL (horizontal)
<b>Average drop volume</b>	57 $\mu$ L
<b>Operating conditions</b>	15 °C to 30 °C, 35% to 80% RH
<b>Shipping / storage temperature</b>	15 °C to 30 °C
<b>Best before</b>	6 months from filling date

### Cartridge Shipping & Storage

- Store the cartridge in its sealed pouch until time to use.
- 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
5901R42A	5901R Print Cartridge

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