

RYNAN S440DK

Solvent ink for porous media

TECHNICAL DATA SHEET

RYNAN S440DK black solvent thermal inkjet ink is formulated for coding and marking, and other high-productivity industrial packaging printing applications.

RYNAN S440DK ink provides fast drying time, good adhesion and rub resistance, high optical density, and excellent sharpness and barcode readability on various semi-porous and non-porous substrates such as metal, PET, PVC, PA...and foils.

Non-stitching 1 inch print swatch expands the printing applications without disadvantages of printhead stitching.

Technical Specifications

	RYNAN S440DK Print Cartridge
Ink type	Black dye solvent ink
Print cartridge type	One inch TIJ cartridge
Resolution	Up to 300 dpi
Nozzle count	300
Print swath	25.4 mm
Firing voltage	9.0 V
Fire pulse width	2.0 μ s
Pulse warming	OFF
Decap time	Up to 1 h
Drying time	8 - 10 s at 300 $\times$ 300 dpi
Throw distance	Up to 5 mm
Average delivered ink	37 mL (vertical) and 35 mL (horizontal)
Average drop volume	46 pL
Operating conditions	5 °C to 35 °C, 35% to 80% RH
Shipping / storage temperature	10 °C to 30 °C
Best before	9 months from filling date

Cartridge Shipping & Storage

- The cartridge should be stored in vacuum sealed pouch until used.
- Use the cartridge within two weeks of removing it from vacuum sealed pouch for best performance.
- Store the cartridge with a clip placed over the printhead. Horizontal position is recommend.
- 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.

Ordering Information

Product number	Product description
S440DK85A	RYNAN S440DK Print Cartridge

