

Formulating a Greener World®

SoluJET®2701K

Solvent ink for non-porous media

Bulk Ink System



TECHNICAL DATA SHEET

SoluJET® 2701K black solvent TIJ 2.5 ink is designed for track and trace coding and marking, and other high-productivity industrial packaging printing applications.

SoluJET® 2701K ink provides enhanced durability, good adhesion and rub resistance, long decap time, excellent sharpness and optical density on various semi-porous and non-porous substrates such as lacquered aluminum foils and packaging films.⁽¹⁾

Technical Specifications

Name	SoluJET® 2701K Bulk Printhead	SoluJET® 2701K Bulk Ink Cartridge
Ink type	Black solvent dye ink	Black solvent dye ink
Print cartridge type	HP 45sci	Smart card ink cartridge
Resolution	Up to 600 dpi, recommended 300 × 300 dpi	N/A
Nozzle count	300	N/A
Print swath	12.7 mm	N/A
Firing voltage	9.0 V	N/A
Fire pulse width	1.8 µs	N/A
Pulse warming	OFF	N/A
Decap time⁽¹⁾	30 min	N/A
Drying time⁽¹⁾	3 - 4 sec at 300 × 300 dpi	N/A
Throw distance⁽²⁾	Up to 5 mm, recommended 3 mm	N/A
Ink fill volume	20 mL	400 mL
Average drop volume	33 pL	N/A
Print cartridge life	1200 mL	N/A
Operating conditions	15 °C to 35 °C, 35% to 80% RH	15 °C to 35 °C, 35% to 80% RH
Shipping / storage temperature	5 °C to 30 °C	5 °C to 30 °C
Shelf life⁽³⁾	6 months from filling date	9 months from filling date

Cartridge Shipping & Storage

- The bulk printhead should be stored in vacuum sealed pouch until used.
- Use the bulk printhead within two weeks of removing it from vacuum sealed pouch for best performance.
- Store the bulk printhead with a clip placed over the printhead. Nozzles up 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 printhead.
- Holding the 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 bulk printhead.

Ordering Information

Product number	Product description
2701K45C	SoluJET® 2701K Bulk Printhead
2701K40B	SoluJET® 2701K Bulk Ink Cartridge
2701K22T	SoluJET® 2701K Bulk Printhead Tail

(1) Ink performance may vary depending on substrate, printer, and environmental conditions.

(2) Recommended. May vary by application.

(3) Must be shipped and stored under recommended conditions.

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