

Formulating a Greener World®

SoluJET® 2780K

Solvent ink for non-porous media



TECHNICAL DATA SHEET

SoluJET® 2780K black solvent TIJ 2.5 ink is designed for track and trace coding and marking and other high-productivity industrial packaging printing applications.

SoluJET® 2780K ink provides excellent adhesion and rub resistance, long decap time, excellent optical density, sharpness and barcode readability on semi-porous and non-porous substrates such as PET, PVC, PA, BOPP, LDPE, and foils. ⁽¹⁾

Technical Specifications

Ink name	SoluJET® 2780K
Ink type	Black solvent dye ink
Print cartridge type	HP 45si
Resolution	Up to 600 dpi, recommended 300 x 300 dpi
Nozzle count	300
Print swath	12.7 mm
Firing voltage	8.6 V
Fire pulse width	2.0 µs
Pulse warming	OFF
Decap time⁽¹⁾	Up to 1 h
Drying time⁽¹⁾	1 - 3 s at 300 x 300 dpi
Throw distance⁽²⁾	Up to 5 mm, recommended 3 mm
Average delivered ink	37 mL (vertical)
Average drop volume	34 pL
Operating conditions	15 °C to 35 °C, 35% to 80% RH
Shipping / storage temperature	5 °C to 30 °C
Shelf life⁽³⁾	6 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. 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 cartridge printhead.
- 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
2780K42A	SoluJET® 2780K Print Cartridge

(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. For best performance, use within 4 months from filling date.

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