

BEAR

TSK2039

Collins Brand Inks for HP 45A Technology

Aggressive ink Prints on Difficult Substrates

Bear ink was formulated to print on difficult media such as foils, varnishes, and UV coated materials where fast dry time is needed.

Ink Features

- Fluid Base: Solvent
- Colorant: Dye
- Flash point: < 20.9°C
- Shipping info: UN1210 Class 3 Flammable

Recommended Printer Settings

Pen driver voltage: 7.6 V
Fire pulse length: 1.8 - 2.0 μs
Pulse warming: 40°C

Printhead Performance

Decap time: < 1 min
Shelf life (single/bulk) 1 yr/6 mo
Bulk cartridge Throughput¹ > 400 mL

Cartridge Maintenance & Handling

- Use a dry lint-free cloth to clean the print head
- Wipe slowly and lightly across tip of the long edge with the print head facing down
- Forcing the wipe (too much pressure) may scratch the print head
- Use of a cloth with lint may clog the nozzles

Cartridge Storage

- Operating conditions: 10 – 40°C
- Storage conditions: 10 – 30°C
- Less than 1 day down: leave cartridges in the machine and wipe/purge before next use
- More than 1 day down: remove cartridges from machine and place cartridge clip (available from Collins Ink) over the head, wipe and purge before use

Substrate Performance • 600x300 DPI • Dryer: OFF • Rating: 1–5 (5=Best)

Disclaimer: The information presented in this data sheet is intended only as a guide and does not infer a warranty of performance. Results may vary depending upon many variables including the specific grade of substrate, environmental conditions, print speed, etc.

Sample Substrate	Kelstar UV 9644	Kelstar AQ 587	Plastic PE Bag	PVC Card	Tyvec
Optical Density	.65	.90	.72	.57	.64
Unassisted Dry Time	1 sec	1 sec	1 sec	1 sec	1 sec
Wet Rub Resistance	5	5	5	5	5

Note:

¹Throughput before nozzle failure will vary based on application parameters; e.g., DPI, Nozzles Used, Duty Cycle, & Print Speed