

Data Black

TWK1966H Kao Collins Inks for HP 45A Technology

Darker Image Fast Dry Time

Data Black is a dye-based ink that was designed to print on pharmaceutical boxes. It produces a high quality scannable image that dries well on porous and semi-porous substrates. This ink provides adequate decap time and very little maintenance.

Ink Features

- Fluid base: Aqueous
- Colorant: Dye
- Flash Point: $> 100^{\circ}\text{C}$
- Shipping info: Non-Hazardous

Recommended Printer Settings

Pen driver voltage: 10.2 V
Fire pulse length: 2.2 μs
Pulse warming: 40°C

Printhead Performance

Decap time: < 5 min
Shelf life (single/bulk) 2 yr/6 mo
Not Recommended for bulk use

Cartridge Maintenance & Handling

- Use a water dampened 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: $10 - 40^{\circ}\text{C}$
- Storage conditions: $10 - 30^{\circ}\text{C}$
- 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 Kao Collins) 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	Copy Paper	70# Gloss	Matte	Chipboard	Clay Coat Box
Optical Density	1.07	1.28	1.07	1.17	.95
Unassisted Dry Time	1 sec	3 sec	1 sec	1 sec	1 sec
Wet Rub Resistance	5	5	5	5	5