

OD Black

TWK2138 Kao Collins Inks for HP 45A Technology

High Optical Density Developed For Bulk Use

OD Black allows user to print at a lower dpi while still producing a dark image. Developed for high speed continuous printing on porous substrates.

Ink Features

- Fluid base: Aqueous
- Colorant: Dye
- Flash Point: > 100°C
- Shipping info: Non-Hazardous

Recommended Printer Settings

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

Printhead Performance

Decap time: < 2 min
Shelf life (single/bulk) 1 yr/6 mo
Bulk Cartridge Throughput¹ >600 mL

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°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 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	1.06	1.24	1.10	1.22	.95
Unassisted Dry Time	1 sec	10 sec	5 sec	1 sec	6 sec
Wet Rub Resistance	5	3	4	5	4

Note:

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