Kao Collins Inc.

Sirius Black

TSK250003 Kao Collins Inks for HP 45si Technology

Fast Dry & Permanent
Prints Dark Image on Difficult Substrates

Sirius Black is a solvent-based ink that is formulated for difficult media such as plastic wrap, PVC, Tyvec®, foils, UV coats, varnish and some metals where fast dry time and enhanced adhesion is needed.

Ink Features

- Fluid base: Solvent
- Colorant: Dye
- Flash point: $< 17^oC$
- Shipping info: UN1210 Class 3 Flammable

Recommended Printer Settings

Pen driver voltage:	8.4 V
Fire pulse length:	1.8 μs
Pulse warming:	40^oC

Printhead Performance

Decap time:	$<$ 5 min
Shelf life (single/bulk)	1 year
Bulk Cartridge Throughput	$>$ 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: $10 - 40^oC$
- Storage conditions: $10 - 30^oC$
- 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 • 600x150 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	BOPP[1]	Leneta UV Coat	PE Bag	PVC Card	Tyvec
Optical Density	1.20	1.60	1.29	1.33	0.68
Unassisted Dry Time	5 sec	3 sec	1 sec	5 sec	1 sec
Wet Rub Resistance	5	5	5	5	5

Note:

[1] Biaxially Oriented PolyPropylene