Thermal inkjet Inks

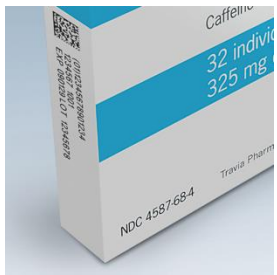
WLK660084A

Description

Cool Black ink WLK660084A is proprietary solvent ink packaged in genuine HP® cartridges qualified for use in Videojet thermal inkjet (TIJ) printers. This ethanol-based ink was specifically designed for printing on flexible packaging where customers are looking to print high-quality codes with an ink that has a quick dry time and excellent adhesion with minimal maintenance.

Benefits

- iQMark™ low odor ink offering:
  - Low odor ethanol formulation
  - No CMRs (carcinogens, mutagens, reproductive toxins)
- Wide operating range of 5-40°C
- Up to 8 hour run times in typical packaging applications, printing 1 – 5 codes/sec in 15 – 35°C environments
- Similar functional performance as WLK660082A and WLK660083A



Applications

This ink delivers excellent adhesion to a wide variety of substrates including flexible film commonly used for FMCG (fast moving consumer goods).

- Low temperature environments
- Coated cartons or glossy labels used in high end cosmetics, pharmaceuticals or other consumer goods
- Blister packs and foils where excellent wetting is required

Abrasion*

Finger Rub – 1 minute

0 2 4 6 8 10

Finger Rub – 24 hour

0 2 4 6 8 10

Fingernail Scratch – 24 hour

0 2 4 6 8 10

Speed

Dry Time

Long | Moderate | Fast | Very Fast

Substrate Compatibility

	Good → Outstanding
Polyester & BOPP film	
PS, PVC, aluminum	
Nylon, PP film	
Untreated BOPP	
PE film, glass	

Print Durability

Chemical Resistance

None | Water | Alcohol | Acetone

Heat Resistance (max.)

°C	100	**200**	300	400	500
Dry					
°F	212	**392**	572	752	932

Lightfastness** (Blue Wool Scale)

0 2 4 6 8

* Average results of target substrates.

** Testing was concluded at a Blue Wool Value of "6". Actual results may be better.

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Specifications

Product	Product Type	Color	Solvent Type	Shelf life
WLK660084A	Ink	Black	Ethanol	12 months*
216054	Cleaner – Alcohol swabs, 10	n/a	Isopropanol (IPA)	n/a
V910-Q	Cleaning solution	n/a	Ethanol	30 months*
29805A	Lint free wipes, 50	White	n/a	n/a
392431	250 mL wash bottle	n/a	n/a	n/a

Storage *Store between 2°C and 35°C (35°F and 95°F). Store ink in original sealed pouch until ready to use.

Usage *Once the original sealed pouch is opened, cartridges should be used within 4 weeks to avoid potential loss of print quality and/or decap.

Printer Parameters

Qualified Models	Operating Temperature	Operating Humidity	Pulse Width	Voltage	Average DIV^^^
Videojet 8520, Wolke m610 touch, Wolke m610 oem, Wolke m610 advanced	5-40 °C	30-70%	1.7µs	8.8V	30 mL

**Uppercase fonts are recommended when printing below 10°C to avoid loss of print quality.
^^^Due to standard equipment design and positioning, a portion of fluid may not be accessible during typical usage. Total fill volume is as labeled; actual usable volume may vary depending on equipment configuration and application parameter

Certifications

iQMark™: WLK660084A ink was responsibly designed and manufactured to maximize contrast, adhesion, and uptime while meeting safety, environmental, and regulatory requirements. Every batch is tested to ensure it meets strict quality control specifications. No-MEK, no-Acetone, no-Methanol Formulation. Compliant with Japan ISHL Class 2 Organic Solvent List. Not classified as a CMR.***

Heavy Metals: WLK660084A ink meets the requirements of CONEG model legislation including 94/62/EC. For more information, refer to Knowledge Article 14629.***

RoHS: WLK660084A ink meets the requirements of the RoHS 2 Directive 2011/65/EU and Directive (EU) 2015/863. For more information, refer to Knowledge Article 14656.***

REACH: WLK660084A ink is in compliance with EU Regulation (EC) No. 1907/2006 as amended. For more information, refer to Knowledge Article 14655.***

Halogens: WLK660084A ink meets the International Electrotechnical Commission (IEC) definition of Halogen-Free. For more information, refer to Knowledge Article 14375.***

Food Packaging: WLK660084A ink may be used on the non-food contact side of food packaging. The packaging must provide a barrier between the ink and the food. When used in this manner, the inks are in compliance per 21 CFR 170.3(e)(1), Regulation (EC) No. 10/2011, and Regulation (EC) No. 2023/2006. For more information, refer to Knowledge Article 14389.***

Other: WLK660084A ink does not contain major allergens, animal based raw materials, nor organisms, genetically modified or not. For more information refer to Knowledge Articles 15065, 14647, and 14634.***

**Environmental, Health, Safety, and Regulatory information can change without notice, consult the current Safety Data Sheet (SDS) which is available on the Videojet website. Knowledge Articles are available by calling or emailing Videojet.

Call 800-843-3610
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