Thermal Inkjet (TIJ) Inks
WLK660083A

Description
Cool Black ink WLK660083A is proprietary Videojet solvent ink packaged in genuine HP® cartridges. 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.

Primary Benefits
• Industry leading 12-month shelf life
• Wide operating range of 5-40°C (41-104°F)
• Superior uptime in typical packaging environments
• No CMRs (Carcinogens, Mutagens, Reproductive Toxins)
• Low odor ethanol formulation

Target Applications
Cool Black ink is ideal for:
• Flexible packaging used for FMCG products
• 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

<table>
<thead>
<tr>
<th>Abrasion*</th>
<th>Speed</th>
<th>Substrate Compatibility</th>
<th>Print Durability</th>
<th>Heat Resistance (max.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Finger Rub – 1 minute</td>
<td>Dry Time</td>
<td>Polyester &amp; BOPP film</td>
<td>Chemical Resistance</td>
<td>°F 100</td>
</tr>
<tr>
<td>Finger Rub – 24 hour</td>
<td>Long</td>
<td>PS, PVC, aluminum</td>
<td>None</td>
<td>200</td>
</tr>
<tr>
<td>Fingernail Scratch – 24 hour</td>
<td>Moderate</td>
<td>Nylon, PP film</td>
<td>Water</td>
<td>300</td>
</tr>
<tr>
<td></td>
<td>Fast</td>
<td>Untreated BOPP</td>
<td>Alcohol</td>
<td>400</td>
</tr>
<tr>
<td></td>
<td>Very Fast</td>
<td>PE film, glass</td>
<td>Acetone</td>
<td>500</td>
</tr>
</tbody>
</table>

* 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
Solvent type
Ethanol
Color
Black
Cleaner
IPA with lint free wipe as needed
Shelf-life
12 months

Storage conditions
2-35°C (36-95°F)
Store in originally sealed pouch until time of use

Operating temperature
5-40°C (41-104°F)

Operating humidity
30-70%

Minimum Delivered Ink Volume (DIV)
30 mL

Drop size
31 pL

Special use considerations
Operating humidity
- At humidities <30%, cartridges may exhibit inconsistent decap times less than one hour. A pre-run ink purge/spit may be used to improve first code recovery.
- At humidities >70%, dry times will increase for bold codes (such as graphics, 2D codes; or large, bold characters). Lower resolutions are recommended in environments with high humidity.

Usage conditions
- Once the originally sealed pouch has been opened, cartridges should be consumed within 4 weeks to avoid potential loss of print quality and/or decap. As with all solvent TIJ inks, printing in temperatures >35°C (95°F), or at high print rates, could lead to early ink outages.

Certifications and approvals
WLK660083A 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.

Heavy metals
WLK660083A ink meets the requirements of CONEG model legislation including 94/62/EC. For more information, refer to Knowledge Article 1153.*

RoHS/WEEE
WLK660083A ink meets the requirements of the RoHS 2 Directive 2011/65/EU and Directive (EU) 2015/863. For more information, refer to Knowledge Article 1159.*

REACH
WLK660083A ink is in compliance with EU Regulation (EC) No. 1907/2006 as amended. For more information, refer to Knowledge Article 1156.*

Halogens
WLK660083A ink meets the International Electrotechnical Commission (IEC) definition of Halogen-Free. For more information, refer to Knowledge Article 7920.*

Other
- WLK660083A ink does not contain major allergens, animal-based raw materials, nor organisms, genetically modified or not. For more information refer to Knowledge Articles 1148, 1190, and 1152.*
- WLK660083A ink:
  - Contains no MEK, Acetone, or Methanol
  - Contains no Japan ISHL Class 1 or 3 Organic Solvents
  - Contains no European Printing Ink Association (EuPIA) Exclusion List materials
  - Is not a CMR classified product

System compatibility
Videojet® 8520
Wolke m610® touch
Wolke m610® oem
Wolke m610® advanced

* 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.

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