



HP Indigo ElectroInk - Technical Data Sheet

HP Indigo Digital press WS6000 series

HP Indigo ElectroInk, a liquid ink developed by HP Indigo and used exclusively by HP Indigo's presses, contains electrically charged ink particles dispersed in a hydrocarbon liquid. Strictly controlled electrical fields move the charged color particles, enabling accurate placement on the printing material. HP Indigo ElectroInk particles are very small, only 1-2 microns, allowing for higher resolution, uniform gloss, sharp image edges and very thin image layers.

1. Products names:

HP Indigo ElectroInk Yellow for use with HP Indigo Digital press WS6000 series
HP Indigo ElectroInk Magenta for use with HP Indigo Digital press WS6000 series
HP Indigo ElectroInk Cyan for use with HP Indigo Digital press WS6000 series
HP Indigo ElectroInk Black or use with HP Indigo Digital press WS6000 series
HP Indigo ElectroInk Orange for use with HP Indigo Digital press WS6000 series
HP Indigo ElectroInk Violet for use with HP Indigo Digital press WS6000 series
HP Indigo ElectroInk Green for use with HP Indigo Digital press WS6000 series
HP Indigo ElectroInk Standard White for use with HP Indigo Digital press WS6000 series
HP Indigo ElectroInk Premium White for use with HP Indigo Digital press WS6000 series
HP Indigo ElectroInk White for sleeves for use with HP Indigo Digital press WS6000 series
HP Indigo ElectroInk light Cyan for use with HP Indigo Digital press WS6000 series
HP Indigo ElectroInk light Magenta for use with HP Indigo Digital press WS6000 series
HP Indigo ElectroInk FP Violet for use with HP Indigo Digital press WS6000 series
HP Indigo ElectroInk Spot Red for use with HP Indigo Digital press WS6000 series
HP Indigo ElectroInk Fluorescent pink for use with HP Indigo Digital press WS6000 series
HP Indigo ElectroInk Fade Resistant Magenta for use with HP Indigo Digital press WS6000 series
HP Indigo ElectroInk Fade Resistant Yellow for use with HP Indigo Digital press WS6000 series
HP Indigo ElectroInk Fade Resistant Orange for use with HP Indigo Digital press WS6000 series
HP Indigo ElectroInk Invisible Yellow for use with HP Indigo Digital Press WS6000 series
HP Indigo ElectroInk Invisible Blue for use with HP Indigo Digital Press WS6000 series
HP Indigo ElectroInk Silver for use with HP Indigo Digital Press WS6600/WS6800/WS6900
HP Indigo ElectroInk Transparent for use with HP Indigo Digital Press WS6000 series
HP Indigo Conditioning Agent for use with HP Indigo Digital press WS6000 series



Inks net weight & density:

| | Net weight (gr) | Density |
|---|-----------------|---------|
| HP Indigo ElectroInk Yellow | 1,560 | 0.818 |
| HP Indigo ElectroInk Magenta | 1,560 | 0.817 |
| HP Indigo ElectroInk Cyan | 1,560 | 0.815 |
| HP Indigo ElectroInk Black | 1,560 | 0.819 |
| HP Indigo ElectroInk Orange | 1,500 | 0.817 |
| HP Indigo ElectroInk Violet | 1,500 | 0.807 |
| HP Indigo ElectroInk Green | 1,500 | 0.822 |
| HP Indigo ElectroInk Standard White | 1,900 | 1.033 |
| HP Indigo ElectroInk Premium White | 1,900 | 1.033 |
| HP Indigo ElectroInk White for sleeves | 1,560 | 0.894 |
| HP Indigo ElectroInk light Cyan | 1,500 | 0.800 |
| HP Indigo ElectroInk light Magenta | 1,500 | 0.800 |
| HP Indigo ElectroInk FP Violet | 1,500 | 0.803 |
| HP Indigo ElectroInk Spot Red | 1,500 | 0.82 |
| HP Indigo ElectroInk Fluorescent pink | 1,560 | 0.805 |
| HP Indigo ElectroInk Fade Resistant Magenta | 1,560 | 0.815 |
| HP Indigo ElectroInk Fade Resistant Yellow | 1,560 | 0.815 |
| HP Indigo ElectroInk Fade Resistant Orange | 1,400 | 0.800 |
| HP Indigo ElectroInk Invisible Yellow** | 1,380 | 0.81 |
| HP Indigo ElectroInk Invisible Blue** | 1,520 | 0.81 |
| HP Indigo ElectroInk Silver* | 1,500 | 0.818 |
| HP Indigo ElectroInk Transparent | 1,500 | 0.800 |
| HP Indigo Conditioning Agent | 560 | 0.813 |

Site of manufacturing:

Israel, Singapore

Shelf life

3 Years

* 1 year (and testing for longer shelf life is ongoing).

**2 years



Regulatory information:

1) Chemical inventory status:

All chemical substances in these HP products have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, Taiwan and China.

2) General regulatory status:

HP Indigo ElectroInk does not contain the following:

- Candidate List of Substances of Very High Concern (SVHC) for inclusion in Annex XIV of REACH
- CMRs
- Phthalates
- Bisphenols
- Heavy metals

And does not require a California Proposition 65 warning.

3) Food Packaging regulations:

- HP Indigo ElectroInk is safe and suitable for printing labels and shrink sleeves on the non-food contact side of the food packaging, under certain conditions of use and compliance with Good Manufacturing Practices (GMP). HP Indigo has determined that when the following polymeric films are used under defined conditions of use and ink coverages, US, European and other regional regulatory requirements can be met:
 - 1) LDPE \geq 40 microns
 - 2) PP \geq 20 microns
 - 3) PET \geq 12 microns
 - All ingredients are on the Swiss Positive List of the Swiss Ordinance on Materials and Articles in Contact with Food (RS 817.023.21). HP Indigo ElectroInk is compliant with Nestle Guidance Note on Packaging Inks.
 - The responsibility for ensuring the safety and organoleptic integrity of the printed package lies with the printer and the printer's customers. HP Indigo is not responsible for materials and processes that are beyond its control. A Statement of Composition (SOC) can be provided, under a Confidentiality Agreement, to allow downstream users in the supply chain to perform a risk assessment of the final package. HP Indigo recommends that its customers perform their own risk assessment and regulatory compliance determination of their product.
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- For more details, please see the HP Indigo for Food Packaging Printing Regulatory Overview.
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Handling & Storage:

- Precautions for safe handling: Avoid prolonged or repeated skin contact with this material. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges.
 - Conditions for safe storage, including any incompatibilities: Keep away from excessive heat or cold. Store in a cool and shaded area. Do not store in direct sunlight.
 - Transportation temperature range: (-45)– (+45)°C
 - Storage temperature range:(-45) – (+35) °C
 - Recommended to keep <80% RH
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Safety Information:

- More health and safety information is provided in the Material Safety Data Sheet (MSDS), available on www.hp.com/go/ecodata
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Disposal considerations:

- Dispose of in compliance with federal, state, and local regulations
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Manufacturer contact information:

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