


# HP Indigo ElectroInk - Data Sheet

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 colour 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.

## HP Indigo ElectroInk Overall Properties


	<b>Ink Type</b>	Liquid Ink
	<b>Print Method</b>	Digital
	<b>Colour Printing</b>	CMYK + Premium White
	<b>Substrate Compatibility</b>	Papers & Synthetics
	<b>Printing Resolution</b>	High
	<b>Ink Density (Microns)</b>	Cyan (0.815), Magenta (0.817), Yellow (0.818), Black (0.819), White (1.033)
	<b>Food Safe</b>	Indirect Contact Only
	<b>Vegan Status</b>	Friendly
	<b>Service Temperature</b>	From (-42°C) to 140°C

## HP Indigo ElectroInk Compliance Information

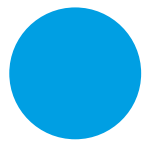
<b>REACH</b>	Yes, Compliant
<b>RoHS</b>	Yes, Compliant
<b>Heavy Metals</b>	Yes, Compliant
<b>Restricted Chemicals &amp; Substances</b>	Does NOT contain: Phthalates (DEHP, BBP, DBP, DIBP), Bisphenols (BPA, BPS), Photoinitiators, Aromatic amines, Nanomaterials, Hazardous Air Pollutants (HAPs), Toxic Air Contaminants (TACs), Particulate Matter Emissions
<b>Conflict Minerals</b>	Yes, Compliant
<b>Food Packaging Safety</b>	Compliant with FFDC (USA), EU Regulation 1935/2004, EU GMP 2023/2006, Swiss Ordinance 817.023.21, JPIMA Negative List, Nestlé Guidance Note, EuPIA Guidelines
<b>EU Packaging Waste Directive (94/62/EC)</b>	Ensures responsible packaging waste management
<b>EU Toy Safety Standard (EN71 - Parts, 3, 9, 12)</b>	Safe for printing on toy-related packaging and materials
<b>Chemical Resistance</b>	Tested under ISO 2836 & 2837 – Resistant to water, alkalis, acids, oils, detergents, solvents
<b>Light Resistance (Outdoor Durability)</b>	Tested using ISO 18930 – Fade Resistant Yellow, Magenta, Orange, and Violet rated Blue Wool Scale (BWS) 6-7 for UV stability
<b>Recycling % Deinking</b>	Meets European deinking standards – Successfully removed from paper fibers in mill trials

All statements, technical information and recommendations are given in good faith and are based on tests that we believe to be reliable, but do not constitute a guarantee or warranty. We give no guarantee as to the suitability of the product for a specific application, this should be tested by the user. Unless otherwise agreed in writing, we only accept liability within the scope of our General Terms and Conditions


## HP Indigo ElectroInk - Premium White

	<b>Ink Type</b>	Liquid Ink
	<b>Print Method</b>	Digital
	<b>Colour Printing</b>	CMYK + Premium White
	<b>Substrate Compatibility</b>	Papers & Synthetics
	<b>Printing Resolution</b>	High
	<b>Ink Density (Microns)</b>	1.033
	<b>Food Safe</b>	Indirect Contact Only
	<b>Vegan Status</b>	Friendly
	<b>Service Temperature</b>	From (-42°C) to 140°C

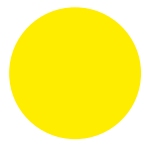
## HP Indigo ElectroInk - Cyan

	<b>Ink Type</b>	Liquid Ink
	<b>Print Method</b>	Digital
	<b>Colour Printing</b>	CMYK + Premium White
	<b>Substrate Compatibility</b>	Papers & Synthetics
	<b>Printing Resolution</b>	High
	<b>Ink Density (Microns)</b>	0.815
	<b>Food Safe</b>	Indirect Contact Only
	<b>Vegan Status</b>	Friendly
	<b>Service Temperature</b>	From (-42°C) to 140°C

## HP Indigo ElectroInk - Magenta

	<b>Ink Type</b>	Liquid Ink
	<b>Print Method</b>	Digital
	<b>Colour Printing</b>	CMYK + Premium White
	<b>Substrate Compatibility</b>	Papers & Synthetics
	<b>Printing Resolution</b>	High
	<b>Ink Density (Microns)</b>	0.817
	<b>Food Safe</b>	Indirect Contact Only
	<b>Vegan Status</b>	Friendly
	<b>Service Temperature</b>	From (-42°C) to 140°C

## HP Indigo ElectroInk - Yellow

	<b>Ink Type</b>	Liquid Ink
	<b>Print Method</b>	Digital
	<b>Colour Printing</b>	CMYK + Premium White
	<b>Substrate Compatibility</b>	Papers & Synthetics
	<b>Printing Resolution</b>	High
	<b>Ink Density (Microns)</b>	0.818
	<b>Food Safe</b>	Indirect Contact Only
	<b>Vegan Status</b>	Friendly
	<b>Service Temperature</b>	From (-42°C) to 140°C

## HP Indigo ElectroInk - Black

	<b>Ink Type</b>	Liquid Ink
	<b>Print Method</b>	Digital
	<b>Colour Printing</b>	CMYK + Premium White
	<b>Substrate Compatibility</b>	Papers & Synthetics
	<b>Printing Resolution</b>	High
	<b>Ink Density (Microns)</b>	0.819
	<b>Food Safe</b>	Indirect Contact Only
	<b>Vegan Status</b>	Friendly
	<b>Service Temperature</b>	From (-42°C) to 140°C

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## Storage and Shelf Life

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

## Regulations concerning contact with food

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:

- LDPE ≥ 40 microns
- PP ≥ 20 microns
- PET ≥ 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.

For more details, please see the HP Indigo for Food Packaging Printing Regulatory Overview.