

INXFlex™ UV FPC

UV Flexo Inks optimized for Low Migration

INXFlex™ UV FPC inks have been formulated for UV Flexographic printing of foodstuff packaging applications on most tag and label, pressure sensitive, in-mold label & other narrow web applications.

Selected raw materials have been used to optimize the low migration characteristics.



For more information, please contact :

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INXFlex™ UV FPC product features:

- Low viscosity
- Very good rheology providing excellent ink duct behaviour
- Cure with press speeds up to 150 m/min (dependent on lamp intensity)
- Good adhesion to a wide variety of synthetic substrates¹
- Compatible for combination printing (hot foil stamping, rotary screen)
- Excellent hold out and gloss on paper stocks
- Minimal plate swell in regards to all plate making technologies including digital and fast curing photopolymers

Caution:

Mix with any other ink series or additives not approved for this application can cause migration test failure.

Please consult with INX for proper use on press.

An independent regulatory analysis of any coatings systems used in conjunction with the ink system which is the subject of this Technical Data Sheet should be conducted to ensure compatibility.

Final Application:

INXFlex™ UV FPC inks have been formulated for the printing of the non-food contact side of foodstuff packaging applications.

Raw materials have been selected to comply with the Swiss Ordinance (SR 817.023.21), the EuPIA Exclusion list and the Nestlé Guidance Note.

These inks are produced following Good Manufacturing Practices (EuPIA GMP and Regulation (EC) 2023/2006).

Disclaimer:

Not suitable for direct food contact.

The final determination of the suitability for a particular use is the sole responsibility of the user.

Specifically, the final measurement of migration compliance is the responsibility of the printer/converter or non-consumer end user, with compliance to be determined in accordance with any applicable regulatory framework.



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Technical Data Sheet

INXFlex™ UV FPC Base Series

Substrates :

Paper, PE, PP, PVC

Adhesion should always be checked when printing on substrates prior to use

Viscosity :

400-700 cP à 25°C

Measured with a Brookfield CAP Viscometer, spindle #4 at 900 rpm

Anilox range :

Process Work 400-550 l/cm,
2.0-4.5 cm³/m²

Pantone Work 250-350 l/cm,
5.0-7.0 cm³/m²

Line Work 180-195 l/cm,
8.5-9.9 cm³/m²

Cure speed :

Adequate UV curing is required for this system. Cure speeds will be dependent upon film thickness, substrates and the type/condition of the UV curing equipment

Designation :

Please refer to Pigment Chart next page for references

Storage & Shelf life :

- For maximum shelf life (12 months from date of manufacture) closed containers should not be stored at temperatures in excess of 25°C.
- Containers should be resealed promptly after use
- Prolonged exposure to sunlight should be avoided.
- Surplus ink from duct should never be returned to original containers.

Packaging :

- 5 kg pails
- 20 kg Pails
- 200 kg Metal Drums

Safety and Handling :

Please refer to SDS for safety, handling and waste disposal information.



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Technical Data Sheet

INXFlex™ UV FPC Base Series

PIGMENT RESISTANCE CHART

Colour	Code	Light Fastness (1)	Bleed Resistance (datas from suppliers) (2)			
			Alcohol	Solvent	Acid	Alkali
PROCESS						
Process Yellow	1585548	4	+++	++	+++	+++
Process Magenta	1585549	4	-	++	--	++
Process Cyan	1585550	7-8	+	++	+++	+++
Process Black	1594855	7-8	++	++	+++	+++
PANTONE						
Fast Yellow (3)	1588120	7	+++	+++	+++	+++
Yellow	1588086	4	+++	++	+++	+++
Fast Orange	1588087	6	+++	-	+++	+++
Orange 021	1598077	6	+	-	+++	+
Fast Warm Red	1588089	6	+	-	+++	+
Red 032	1588090	6	+	+	+++	+
Rubine	1588119	4	-	++	--	++
Fast Magenta (3)	1588121	6-7	++	++	+	++
Fast Pink	1588091	7	++	+++	+++	++
Fast Purple	1588113	7	++	+++	+++	++
Fast Violet	1588112	7	+++	+++	+++	+++
Fast Reflex Blue	1588114	7	+	++	+++	+++
Fast Blue 072	1588115	7	+	++	+++	+++
Blue	1588116	7-8	+	++	+++	+++
Green	1588117	8	+++	+++	+++	+++
Neutral Black	1588118	8	++	++	+++	+++
Extender	1585547	/	/	/	/	/
WHITE						
Arctic White	1585139	8	+++	+++	+++	+++
OTHER						
Last Down White	1587898	8	+++	+++	+++	+++

Cotation :

+++	Excellent	++	Good	+	Average	-	Poor	--	Very poor
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Remarks :

(1) Light fastness given for full tone (Blue Wool Scale)

(2) Datas on resistance are transmitted in good faith and to the best of our knowledge. They do not absolve the user from performing all necessary validation tests before any industrial realization.

(3) Can be used as Process colours. Combine with Process Cyan and Process Black to have a Light Fast Process set of inks.