



FPC

SERIES

FPC series is a fresh offset ink with **low migration** and low odor, developed for packaging printing in the food, pharmaceutical, and cosmetic industries, where there is no direct contact between the printed material and the product (indirect contact). Its formulation provides **excellent water-ink balance**, **high stability** during long print runs, and consistent on-press performance, ensuring **operational reliability and uniform print quality** throughout the entire printing process.

Product features



FPC series is an exclusive design of the R&d&i Department of MARTINEZ AYALA, S.A.

Printing behaviour

- Suitable for printing at high speeds.
- Compatible with all types of dampening solutions, offering excellent ink-water balance.
- Suitable for perfecting presses.
- Duct fresh.
- Excellent gloss and high color intensity.
- High press performance with very good transfer properties and great stability during long print runs.
- In accordance with ISO 12647-2.
- Ideal for coated paper and cardboard substrates of various grammages.
- High operational reliability, minimizing printing process issues.

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Technical data

		LIGHT (IWS)	ALCOHOL	NITRO	ALKALI	VISCOSITY	TACK
		Fastness properties in accordance with ISO 12040 and ISO 2836				20°C, Laray, poises	30° 100 mpm, units
P000016535	PROCESS YELLOW FPC	5	+	+	+	400 – 450	90 – 110
P000016536	PROCESS MAGENTA FPC	5	+	+	-	450 – 500	85 – 105
P000016537	PROCESS CYAN FPC	8	+	+	+	300 – 350	80 – 100
P000016538	PROCESS BLACK FPC	8	+	+	+	300 – 350	85 – 105

Regulatory

- FPC series is manufactured using vegetable oils free from MOSH and MOAH and raw materials suitable for printing packaging intended for indirect food contact. The series is manufactured in accordance with the EuPIA Guidelines and the Good Manufacturing Practices laid down in Regulation (EC) No. 2023/2006.
- The raw materials used in the manufacture of these inks have been specifically selected to comply with the requirements set out in Regulation (EU) No. 10/2011, as well as the Swiss Ordinance 817.023.21 and the German Ink Ordinance (GIO) relating to food packaging. This ensures that packaging printed with the FPC series complies with Regulation (EC) No. 1935/2004, which requires that materials and articles intended to come into contact with food shall not transfer their constituents to food in quantities that could endanger human health, cause an unacceptable change in the composition of the food or adversely affect its organoleptic properties.
- In addition, the FPC series complies with the EuPIA Exclusion Policy for Printing Inks and Related Products, as well as with the limits for heavy metals and PFAS established in Regulation (EU) 2025/40 on packaging and packaging waste.

For further information regarding the regulatory status of the FPC series, please refer to our Declaration of Compliance.

Recommendations

- Cleaning:** the cleaning products employed must be specifically designed for low migration.
- Storage:** store at a temperature between 20-25°C. Avoid the direct exposure to light and heat sources. A clean and well-conditioned working area will enable the proper performance of all the components during the printing process. FPC series does not have an expiry date in the short or medium term.

FPC inks do not dry by themselves, so that they shall be varnished with acrylic low migration varnishes.

The data employed to prepare this technical data sheet has been extracted from the technical data sheets, safety data sheets, and composition declarations obtained from our suppliers. The printer or product packer will be the only one responsible for conducting a migration test that will be performed on the final printed package.

The aim of our technical documents is to inform and advise our customers. The information provided herein is correct to the best of Martínez Ayala's knowledge and belief. No liability for any errors, facts or opinions will be accepted. Customers must verify and test by themselves the suitability of this product for their application. No liability for any loss as a result of any person placing reliance on any material contained herein will be accepted.

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