

PROCESS LM SERIES

The **LM** series is a fresh Ink for Offset Sheetfed printing with Low Migration and low odour, suitable for packaging and food packaging. The ink has been developed according to European Regulatory, using raw materials that meet the requirements for food packaging and eliminating any hazardous or risk material.

SUITABLE FOR FOOD PACKAGING: The analyses carried out by the ISEGA Institute show results that ensure that food packaging materials printed with our ink comply with the requirements of the framework regulation of EU Regulation (EC) No 1935/2004, those of Regulatory Commission (EU) No 10/2011, Regulation (EC) 2023/2006, Regulation (EC) No 450/2009, as well as with the other regulations concerning food packaging of the competent authorities within the European Union.

The series contains raw materials of special purity carefully chosen to avoid migration and avoid excessive odour. Therefore, they do not contain any of the Raw Materials that appear in the CEPE or TSCA Exclusion lists and currently REACH. It also meets the indications of the EuPIA. The ink can never be in **direct contact** with the food. There must always be a material barrier between ink and food.

TECHNICAL CHARACTERISTICS

LM SERIES	CODE	LIGHT (IWS)	RESISTANCE		
			ALCOHOL	NITRO	ALKALI
PROCESS YELLOW	P000001019	5	+	+	+
PROCESS MAGENTA	P000000998	5	+	+	-
PROCESS CYAN	P000000915	8	+	+	+
PROCESS BLACK	P000000985	8	+	+	+

The **LM** series meet the **ISO 2846-1** and it is suitable for printing according to **ISO 12647-2**. **PANTONE®** colours can be manufactured from this process series.

INK CHARACTERISTICS

- Low Migration and low odour.
- High colour intensity.
- Excellent dot sharpness and trapping.
- Very good gloss.
- Excellent rub resistance.
- Good Setting.
- Good transfer

PRINTING PERFORMANCE

- Suitable for high-speed printing.
- Good ink/water balance.
- Suitable for all dampening systems, with or without alcohol.
- Provides a very resistant ink film to rubbing and scratching on glossy and matt-coated papers.
- Duct fresh

RECOMENDATIONS

Application

Food Packaging on board, either matt or gloss.
This series have been designed for printing on small and big format.

Rubbers and rollers. Cleaning.

Cleaning can be operated with any non-abrasive cleaner provided by specialized suppliers. We recommend using vegetable cleaners that help to protect the Environment.
This series is adapted to several dampening systems on the market. Its effectiveness has been tested with most additives.

Storage.

Avoid direct exposure to sunlight and heat. Store at a temperature between 15 – 25 °C.
Once opened, consume as quick as possible to prevent skin formation. A clean and conditioned working environment, in which the temperature does not affect the ink, the substrate or the machine, facilitates the good behaviour of each of them during the printing.
The LM series has no expiration date in the short or medium term.

PACKAGING

- 1 kg
- 2,5 kg
- 200 Kg

LM series has been developed by R&D department of MARTINEZ AYALA, S.A.

ISEGA



2846-1 en colorimetría SGI 3201078



MARTINEZ AYALA, S.A.

Pol. Ind. El Saladar, C/. La Higuera, 28 - Apdo.83 - 38500 TOTANA (Murcia) Spain

☎ +34 968 41 80 30

