



PANTONE® BASIC LM

SERIES

PANTONE® BASIC LM series is a fresh low-migration and low-odour ink designed for packaging printing in the food, pharmaceutical, and cosmetic industries where there is no direct contact between the printed material and the food (indirect contact). The raw materials have been specially selected for their good organoleptic properties as well as for having a global migration limit below 60 mg per kg of food (60 ppm). Formulated with PANTONE® approved pigments.

PANTONE® BASIC LM series is an exclusive design of the R&d&i Department of MARTINEZ AYALA, S.A.

Printing behaviour

- Suitable for printing at high speeds.
- Suited for all types of dampening solutions.
- Excellent water-ink balance.
- Suitable for perfecting presses.
- Fresh in the ink duct.
- Smooth texture that facilitates its mixture for obtaining ended colors.
- Ideal for coated paper and cardboard substrates.

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. PANTONE® BASIC LM series does not have an expiry date in the short or medium term.

PANTONE® BASIC LM inks do not dry by themselves, so that they shall be varnished with acrylic low migration varnishes.

Martínez Ayala S.A.
Polígono Industrial El Saladar
C/ La Higuera, 28
(30.850) Totana, Murcia - España
Tel: +34 968 41 80 30

info@ma-inks.com
www.ma-inks.com





Technical data

		LIGHT (WS)	ALCOHOL	NITRO	ALKALI	VISCOSITY
		Fastness properties in accordance with ISO 12040 and ISO 2836				20°C, Laray, poises
P000005396	PANTONE BASIC YELLOW LM	3	+	+	+	450-550
P000009589	PANTONE BASIC (5) YELLOW LM	5	+	+	+	450-550
P000010304	PANTONE BASIC YELLOW 012 LM	5	+	+	+	450-550
P000005407	PANTONE BASIC 021 ORANGE LM	5	+	+	+	450-550
P000005397	PANTONE BASIC 032 RED LM	5	+	+	+	450-550
P000005783	PANTONE BASIC WARM RED LF LM	5	+	+	+	450-550
P000005406	PANTONE BASIC RUBINE RED LM	5	+	+	-	450-550
P000005398	PANTONE BASIC RUBINE RED LF LM	6	+	+	+	450-550
P000005399	P BASIC RHODAMINE RED LF LM	8	+	+	+	450-550
P000005400	PANTONE BASIC VIOLET LF LM	8	+	+	+	450-550
P000006911	PANTONE BASIC PURPLE LF LM	7	+	+	+	450-550
P000005401	PANTONE BASIC 072 BLUE LF LM	8	+	+	+	450-550
P000005402	PANTONE BASIC REFLEX BLUE LF LM	8	+	+	+	450-550
P000005405	PANTONE BASIC PROCESS BLUE LM	8	+	+	+	450-550
P000005403	PANTONE BASIC GREEN LM	8	+	+	+	450-550
P000005404	PANTONE BASIC BLACK LM	8	+	+	+	450-550
P000005408	TRANSPARENT WHITE LM					450-550

Regulatory

PANTONE BASIC LM series has been formulated with 100% of vegetable oils, free from MOSH and MOAH, and without migratory raw materials. It is suitable for printing on packaging in accordance with EuPIA guidelines for printing inks intended for indirect food contact materials and items.

The raw materials employed in the manufacture of these inks have been specially selected to accomplish with the requirements established in the Regulation 1935/2004 and 10/2011, as well as in the Swiss Ordinance 817.023.21 concerning food packaging. These regulations require that materials and objects which in their final status are intended to come in contact with food, must not transfer any component to the packaged food in quantities that may endanger human health or cause a change in the composition or cause a deterioration in its organoleptic properties.

Furthermore, this series complies with the Directive 94/62/EC on packaging and packaging waste regarding the presence of heavy metals as well as with the Regulation EN 71-3 on Toys Safety, as it does not contain chemical catalysts and heavy metals.

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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