



PANTONE® UV PACK LM

SERIES

UV PACK LM is a series of UV-curable inks with low migration and low odor properties, which exhibit very good anchorage on all substrates. This range accomplishes with EuPIA exclusion list for printing inks and related products.

Regulatory

- This range accomplishes with EuPIA exclusion list for printing inks and related products, as well as with the heavy metals' limits laid down in the Directive 94/62/EC.

Printing substrates

- High-gloss paper and cardboard

Minimum surface tension 38 dynes/cm:

- Hard and soft vinyls (corona treated)
- Pre-treated plastic film (polyester, acetate)
- Pre-treated PP film (IML labels)

It is always recommended to make a test prior to printing.

Printing behaviour

- Very good lithographic properties
- Good anchorage
- Excellent lamination (plasticizing) properties
- Good post-curing
- Buen brillo y alta fuerza colorante
- Very good flexibility
- Good gloss and high color strength
- Contains carefully selected raw materials to minimize the risk of skin irritation, causing the lowest possible odor
- Low odor and low migration properties
- Optimal rubbing resistance will be obtained 24 hours after printing
- Formulated without benzophenone & ITX
- Application: letterpress and wet offset
- UV curing speed: 300 m/min or 9000 sheets/hour, with a configuration of 3 lamps of 120 W/cm.

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Technical data

		LIGHT (WS)	ALCOHOL	NITRO	ALKALI
Fastness properties in accordance with ISO 12040 and ISO 2836					
C000000646	UV PACK TRANSPARENT WHITE LM				
C000000091	UV PACK OPAQUE WHITE LM (4 KG)				
C000001319	UV PACK PANTONE BASIC YELLOW LM	5	+	+	+
C000001353	UV PACK PANTONE BASIC YELLOW LF LM	7	+	-	+
C000000245	UV PACK PANTONE BASIC 021 ORANGE LM	5	+	+	+
C000001320	UV PACK PANTONE BASIC WARM RED LF LM	7	+	+	+
C000000413	UV PACK PANTONE BASIC 032 RED LM	7	-	-	+
C000001321	UV PACK PANTONE BASIC RUBINE RED LM	5	+	+	-
C000001354	UV PACK PANTONE BASIC RUBINE RED LF LM	7	+	+	+
C000000925	UV PACK PANTONE BASIC RHODAMINE RED LF LM	7	+	+	+
C000000416	UV PACK PANTONE BASIC PURPLE LF LM	7	+	+	+
C000000926	UV PACK PANTONE BASIC VIOLET LF LM	7	+	+	+
C000000852	UV PACK PANTONE BASIC REFLEX BLUE LF LM	7	+	+	+
C000001355	UV PACK PANTONE BASIC 072 BLUE LF LM	6	+	+	+
C000001323	UV PACK PANTONE BASIC PROCESS BLUE LM	8	+	+	+
C000000927	UV PACK PANTONE BASIC GREEN LM	8	+	+	+
C000001322	UV PACK PANTONE BASIC BLACK LM	8	+	+	+

Recommendations

- **Cleaning:** It is not necessary to clean the press immediately after printing. This ink does not cure on press and, therefore, can be used the next day. However, the ink may start to polymerize in the press if it is exposed to sunlight or UV light from lamps.
- **Rollers:** The use of EPDM (Ethylene-Propylene-Diene-Monomers) rollers is recommended, as they show excellent behavior with UV ink. These rollers are not suitable for conventional grease inks as they may expand in contact with aliphatic hydrocarbons. Certain metallized UV inks can also cause EPDM rollers to expand. Nitrile rubbers experience minimal dilatation with UV inks and conventional grease inks. Solvents such as glycol or acetates have some propensity to expand the rubbers. This ink can be used with most plates on the market.
- **Shelf life:** The UV PACK series has a shelf life of 12 months. This warranty covers twelve months from the date of manufacture. In order to have this warranty, certain recommendations should be followed: Keep the ink at a storage temperature between 15-20°C and do not expose it to heat or direct sunlight. If possible, store it in a dark room.
- **Additives:** Different additives can be used to improve the characteristics of this ink: from dampening additives, cleaning solutions, anti-tack paste, photoinitiators and solvents.

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