



JKM Pronat Festékgyártó Kereskedelmi és Szolgáltató Kft.
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UV CURING FLEXOGRAPHIC PRINTING INK PRODUCT RANGE

PROCESS COLORS (CMYK)

BASIC COLORS

MIXED COLORS

The UV curing flexographic inks of JKM Pronat are produced according to the major international color standards. Due to different customer's needs, our inks are offered in different series:

- Standard series: Economical grade. Generally recommended for self-adhesive label materials (paper, PE, PP), nonporous papers, but also suitable for shrink sleeve foils (PVC, OPS, PET).
- NLM series: Low odor and low migration ink series. Especially developed for outside printing of food packaging materials. Contains EuPIA Group 1A photoinitiators and high functional monomers.

WHITE INKS

- Opaque white extra: White ink with extra strong opacity. Recommended for normal or reverse printing of polyethylene foils or transparent label materials (PE, PP).
- NLM white: White ink with low odor and low migration characteristics. It contains EuPIA Group 1A photoinitiators and high functional monomers.
- „Sleeve” white: White ink with high slip; developed for reverse printing on PVC, OPS, PET substrates for shrink sleeve applications, but also highly suitable for BOPP wraparound labels of mineral water bottles.

OVERPRINT VARNISHES

- General purpose: Economical grade UV curing OPV with silicone for labels and foils.
- Silicone free: Overprintable OPV.
- Matte
- Release: Release varnish for making booklet labels.

PROPERTIES

Printing speed: up to 150 m/min (dependant on UV lamps and printing machine geometry).



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Anilox selection: Process colors 3,0-3,6 cm³/m² with 360-400 lines/cm
Basic colors 5-9 cm³/m² with 160-200 lines/cm

Minimum recommended lamp power: 160 W/cm

Fastness properties:

Color	Light fastness* (Blue Wool Scale)	Fastness* ethanol	Fastness* alkali
Process Yellow	4	5	5
Process Magenta	4-5	3-4	4
Process Cyan	7-8	4	5
Process Black	8	5	5
Pantone Yellow	4	5	5
Orange 021	3-4	4-5	4-5
Warm Red	3	4-5	4-5
Red 032	4	4-5	4-5
Rubine Red	4-5	3-4	3-4
Rodamine Red	2-3	2-3	3
Purple	2-3	2-3	3
Violet	2-3	1-2	5
Blue 072	4-5	2	5
Reflex Blue	4-5	2	5
Process Blue	7-8	3-4	5
Green	7-8	5	5
Black	8	5	5
Fast Reflex Blue	7	4	5
Fast Blue 072	7	4	5
Fast Rodamine Red	7	5	5
Fast Violet	7	5	5
Fast Yellow	6	5	5
Fast Magenta	7	5	5
Fast Red	7-8	5	5

*Based on data of pigment suppliers

Blue Wool Scale: 1 worst, 8 best

Ethanol and alkali resistance: 1 worst, 5 best