SAKATA INX
Visual Communication Technology

Technical Data Sheet

Fusion™ LMC Process Inks

Low Migration Lithographic UV Reactive System

Fusion™ LMC (Low Migration Compliant) Process inks are formulated specifically for indirect food packaging applications where low migration inks are critical. They have been developed to maximize press performance across a wide variety of press platforms, expanding the operating window allowing for enhanced operating efficiencies.

Compliance

Nestle Compliant
Compliant with the Swiss Ordinance 817.023.21, the EuPIA inventory list, commission regulations (EC) 1935/2004 and 2023/2006 and the Resolution of Council of Europe on packaging inks AP(2005)2.

Product Features

- Formulated to be Low migration[1]
- Adhesion to a wide variety of substrates, such as: paper, paperboard, polyboard, metalized paper, foil board and various synthetic substrates associated with sheetfed packaging and labels[2]
- Excellent flow and transfer
- Exceptional press stability and color balance along with an expanded water window
- High color strength and cure response
- Tack stepped for wet trapping

[1]Migration results are influenced by printing conditions and the barrier properties of the stock/substrate.
[2] Adhesion should always be checked prior to use

CAUTION:

- DUE TO THEIR UNIQUE FORMULATION, THESE INKS ARE ONLY COMPATIBLE WITH THEMSELVES. THEY SHOULD NOT BE MIXED WITH ANY OTHER PRODUCT LINES.
- ANY ADDITIVES NOT APPROVED FOR THIS SYSTEM CAN CAUSE MIGRATION TEST FAILURE.
- PLEASE CONSULT WITH TECHNICAL DEPARTMENT FOR THE PROPER PRESS CONDITIONING PROCEDURES.

Process Inks

Black	1570966
Cyan	1570967
Magenta	1570968
Yellow	1570969

Tack Range

155-220 @ 100 m/min[4]

[4]Tacks may vary depending on the equipment used

Typical Viscosity range

70 - 190 poise @ 2500 $sec.^{-1}$

Cure Speed

Adequate UV curing is required for this system. Cure speeds will be dependent upon film thickness, substrates and the type/condition of the UV curing equipment

Storage and Shelf Life

- Containers should be resealed promptly after use
- Prolonged exposure to sunlight should be avoided
- For maximum shelf life (12 months from date of manufacture), closed containers should not be stored at temperatures in excess of 25ºC.
- Surplus ink from press fountain should never be returned to original containers

For more information contact our technical department**:**
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Fastness properties

Reference	Lightfastness	Bleed resistance			
	Blue wool	*Acetic Acid*	*Alkali*	*Ethanol*	*Soap*
1570966 Process Black	8	N	N	N	N
1570967 Process Blue	8	N	N	N	N
1570968 Process Magenta	4	S	A	S	A
1570969 Process Yellow	4	N	N	S	N

Rating Scale: N = No S = Slight A = Appreciable NDA = No Data Available

NOTE: This information was obtained from the NPIRI Raw Materials Data Handbook Volume 4 – Pigments.
These are guidelines only and not intended to replace actual testing