UV-Flexo NG FCM

UV-Flexo NG FCM ink range suitable for non-direct food contact packaging applications as well as general label printing.

Characteristics

- High colour strength
- Excellent adhesion properties
- Printing speeds of 50-150 m/min (dependent on lamp power)
- Excellent shrink characteristics, more than 50% with good retained adhesion (dependent on substrate)
- Steam or hot air shrink
- Fast cure
- Excellent printability
- Formulated for non-direct food contact packaging applications

Substrates
Suitable for a wide range of coated papers, films and label stocks including:

- Coated PE, PP, PVC, PET, and OPP
- Shrink films, typically* PVC, PET, PET-G, OPS

* Due to the diverse nature of shrink films, it is essential that each grade/application is tested thoroughly prior to commercial production.

The suitability of uncoated synthetic substrates such as PP should be tested before printing. The surface tension should be 38 dyne/cm or above. Corona treatment should be considered to improve the wetting and adhesion onto the substrate.

Application
Mix well before use.

Fully cured UV flexo inks will obtain resistance properties 24 hours after printing and are not suitable for direct thermal overprinting. Please be aware that the over curing of a product may lead to problems with thermal transfer overprinting.

Note: The risk of migration is increased if the inks are not fully cured.

Clean equipment immediately after use.

UV-Flexo NG FCM

	Product code	LF	Alcohol	Acid	Grease	Alkali	Opacity	AS
Process Yellow HD (Opaque)	04FUF7500Y.5	3	+	+	+	+	TR	A
Process Magenta HD (Blue Shade)	04FUF7500M.5	5-6	+	(-)	(-)	+	TR	A
Process Cyan HD (Standard)	04FUF7500C.5	7-8	+	+	+	+	TR	A
Process Black HD	04FUF7500K.5	7-8	+	+	+	+	O	A
Process ISO Black HD ***	04FUF7600K.5	7-8	+	+	+	+	O	A
Process Yellow RST LF7	04FUF7500YL7.5	7-8	+	+	+	+	O	A
Process Magenta RST LF7	04FUF7500ML7	7-8	+	+	+	+	O	A
ECG Orange HD	04FUF750ZO.5	5						A
ECG Green HD	04FUF750ZG.5	7-8						A
ECG Violet HD RST	04FUF750ZV.5	7-8						A

Base UV-Flexo NG FCM

Base UV-Flexo NG 2-Cure FCM	Product code	LF	Alcohol	Acid	Grease	Alkali	Opacity	AS
Warm Red	04FUM75331.5	4	+	+	+	+	TR	A
Bright Red *	04FUM75332.5	7-8	+	+	+	+	TR	A
Rubine Red*	04FUM75340.5	5-6	+	(-)	-	+	TR	A
Rubine Red RST **	04FUM75343.5	7	+	+	+	+	TR	A
Rhodamine RST *	04FUM75365.5	7-8	+	+	+	+	TR	A
Orange *	04FUM75200.5	5	+	+	+	(-)	TR	A
Orange RST **	04FUM75210.5	7-8	+	+	+	+	TR	A
Yellow *	04FUM75100.5	4	+	+	+	+	TR	A
Yellow RST **	04FUM75110.5	7-8	+	+	+	+	TR	A
Green *	04FUM75600.5	7-8	+	+	+	+	TR	A
Process Blue*	04FUM75700.5	7-8	+	+	+	+	TR	A
Royal Blue	04FUM75540.5	7-8	+	+	+	+	TR	A
Violet RST*	04FUM75415.5	7-8	+	+	+	+	TR	A
Mixing Black*	04FUM75700.5	7-8	+	+	+	+	O	A
Mixing White*	04FUM75003.5	7-8	+	+	+	+	O	A
Extender*	04FUM75000.5	n/a	+	+	+	+	TR	A
High Adhesion Extender	04FUM75001.5	n/a	+	+	+	+	TR	A
Dense Black	04FUZ7510.5							
Backing Black	04FUZ7525.5							
Opaque White FD - First Down -	04FUW7560.5							
Opaque White SLV - Shrink Sleeve -	04FUW7570.5							
Opaque White HA - High Adhesion -	04FUW7565.5							
Opaque White HS - Shrink Sleeve & High Slip -	04FUW7575.5							
Opaque White 2-Cure Ho - High Opacity -	04FUW7550.5							

* Basic Set of Colour Concentrates & Extenders
** These high resistance bases can be used as a Lightfast Process Magenta and Lightfast Process Yellow

*** Subject to the choice of anilox, plate, tape and substrate, PureTone FPC UV flexo process inks allow the printer to achieve ISO 12647-6 compliance

LF denotes full strength, lightfastness of tints will be reduced 8 = Excellent 1 = Poor

Alcohol, Acid , Grease and Alkali denotes resistance to products listed
+ = high resistance
(-) = needs testing for suitability by customer
- = poor resistance

AS = Anilox Selection: A = Process: 300-500 l/cm (750-1250 lpi) volume 2-4 cm^3/m^2
Bases: 120-180 l/cm (300-450 lpi) volume 3-6 cm^3/m^2
Minimum lamp power – 160 W/cm.

Due to the necessary resistances to various filling materials, not all shades can be achieved in the accustomed quality.

These resistances are tested according to:

- Lightfastness: ISO 2835-1974
- Alcohol Resistance: ISO 2837-1996
- Acid/Grease/Alkali Resistances: ISO 2836-1999

High resistance inks are required for products exposed to high temperature in conventional and/or microwave ovens and pasteurisation/sterilisation processes. Please contact technical@pulserl.com for more information.

Responsibility
These products have been formulated to comply with the regulations and guidelines for non-direct food contact packaging applications. However, it is the responsibility of the seller of the finished product to ensure all members of the packaging chain comply with recommended guidelines and regulatory requirements.

The risk of any contamination affecting food packaging applications should be assessed prior to use.

Please contact AtéCé for more information.

Storage & Handling
Containers should be tightly closed immediately after use. All products, including uncontaminated press returns and unopened containers, should be stored at temperatures between 5°C and 25°C.

Health & Safety
Please refer to relevant SDS for information on labelling classifications, waste product and container disposal, and personal protection measures.