

UV-Flexo NG

UV-Flexo NG ink range suitable for shrink films as well as general label printing, showing excellent adhesion to a wide range of substrates.

Characteristics

- High colour strength
- Excellent adhesion properties
- Printing speeds of 50-150 m/min (dependent on UV lamp power)
- Excellent shrink characteristics, more than 50% with good retained adhesion (dependent on substrate)
- Steam or hot air shrink

Substrates

Suitable for a wide range of coated papers and films, and label stocks such as:

- 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 for 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.

Application

Mix well before use.

Anilox Selection:

Process 300-500 l/cm (750-1250 lpi) volume 2-4 cm³/m²

Bases 120-180 l/cm (300-450 lpi) volume 3-6 cm³/m²

Minimum lamp power – 160 W/cm.

Clean equipment immediately after use.

Fully cured UV inks will obtain resistance properties 24 hours after printing.

This ink series is not intended for food packaging applications and is not suitable for direct thermal overprinting.

Storage

Containers should be tightly closed immediately after use. All inks, uncontaminated press returns and unopened ink 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.

UV-Flexo NG

	Article code	LF	Alcohol	Acid	Alkali	Grease	Opacity
Process Yellow	04FUF3100Y.5	3	+	+	+	+	TR
Process Magenta	04FUF3100Y.5	5-6	+	(-)	(-)	+	TR
Process Cyan	04FUF3100C.5	7-8	+	+	+	+	TR
Process Black	04FUF3100K.5	7-8	+	+	+	+	O
Process Yellow HD	04FUF3300Y.5	4-5	+	+	+	+	TR
Process Magenta HD	04FUF3300M.5	5-6	+	(-)	(-)	+	TR
Process Cyan HD	04FUF3300C.5	7-8	+	+	+	+	TR
Process Black HD	04FUF3300K.5	7-8	+	+	+	+	O
Intense ISO Black *	04FUF3100KI.5	7-8	+	+	+	+	O

Base UV-Flexo NG

	Article code	LF	Alcohol	Acid	Alkali	Grease	Opacity
Warm Red	04FUM31331.5	4	+	+	+	+	TR
Bright Red**	04FUM31332.5	7-8	+	+	+	+	TR
Rubine Red**	04FUM31340.5	5-6	+	(-)	-	+	TR
Rubine RST	04FUM31343.5	7	+	+	+	+	TR
Rhodamine RST**	04FUM31365.5	7-8	+	+	+	+	TR
Orange*	04FUM31200.5	5	+	+	(-)	+	TR
Orange RST	04FUM31210.5	7-8	+	+	+	+	TR
Yellow**	04FUM31100.5	4	+	+	+	+	TR
Yellow RST	04FUM31110.5	7-8	+	+	+	+	TR
Green*	04FUM31600.5	7-8	+	+	+	+	TR
Process Blue**	04FUM31700.5	7-8	+	+	+	+	TR
Royal Blue	04FUM31540.5	7-8	+	+	+	+	TR
Violet RST**	04FUM31415.5	7-8	+	+	+	+	TR
Mixing Black**	04FUM31700.5	7-8	+	+	+	+	O
Mixing Opaque White**	04FUM31003.5	7-8	+	+	+	+	TR
Extender*	04FUM31000.5	n/a	+	+	+	+	TR
Opaque White FD - First Down -	04FUW3360.5						O
Opaque White SLV - Shrink Sleeve -	04FUW3370.5						O
Opaque White HS - Shrink Sleeve & High Slip -	04FUW3375.5						O
Opaque White HA - High Opacity -	04FUW3365.5						O
Universal Dense Black	04FUZ3335.5						O

* Subject to the choice of anilox, plate, tape and substrate, PureTone UV flexo process inks allow the printer to achieve ISO12647-6 compliance.

** Basic Set of Colour Concentrates & Extenders.

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

(-) needs testing for suitability by customer + high resistance - poor resistance

These resistances are tested according to:

Lightfastness: ISO2835-1974

Alcohol Resistance: ISO2837-1996

Acid/Grease/Alkali Resistances: ISO2836-1999

This technical instruction sheet is designed for your information and reference. It is based on and conforms to our current knowledge. However as actual application is affected by many factors over which we have no control, we are not liable for printing failures.