

SICURA NUTRIFLEX 10



The **SICURA Nutriflex 10** is a free radical, UV-mercury arc lamp curing flexo printing ink series. It is suitable for processing on all types of in-line label or packaging printing machines on a wide range of plastic materials and other substrates.

SICURA Nutriflex 10 is a low-migration ink series formulated according to the most stringent regulatory such as the SWISS ordinance 817.023.21 and the Nestlé Standard St-80.001.

The offered product portfolio is augmented by additional products such as opaque whites, metallic inks, varnishes for various applications, adhesives, as well as primers to improve adhesion on demanding printing substrates.

CURING | UV-mercury arc lamp

PRINTING SPEED | up to 150 m/min

PRODUCT SAFETY | **low-migration**
developed for NPH (Nutri, Pharma + Hygiene) applications

COMPLIANCES

- SWISS ordinance 817.023.21
- Nestlé Standard St-80.001
- EuPIA Guidelines (EC) N° 2023/2006
- Regulation (EC) N° 1935/2004
- Plastics Regulation (EU) N° 10/2011

MIGRATION TESTING

- 95 % Ethanol
- 10 days @ 60 °C

SICURA NUTRIFLEX 10 SERIES PERFORMANCE AT A GLANCE

Very good printability

- Good ink flow
- Results in high image definition: low dot gain, sharp dots, clean micro texts

High color strength

- Offers high opacity and brilliance of inks

Highly reactive

- Allows printing speeds of up to 150 m/min

High chemical & mechanical resistance

- Alkali & solvents
- Heat sealing
- Pasteurization and sterilization possible
- Good adhesion

Recommended anilox rollers

Highly concentrated process prints	360 – 475 lines/cm	–	2.5 – 3.5 cm ³ /m ²
Line images and/or texts	180 – 195 lines/cm	–	6.0 – 7.0 cm ³ /m ²
Intensive solids	160 – 180 lines/cm	–	7.0 – 8.0 cm ³ /m ²
Fine lines	200 – 320 lines/cm	–	4.5 – 6.0 cm ³ /m ²

Because of the differences in materials for printing, processing conditions and test criteria this technical information can only be of an advisory nature. Our data reflect the latest state of our knowledge and are based on the characteristics established in the laboratory and on practical experience. Your own tests with the original materials under the respective conditions are indispensable. We disclaim any liability for applications for which this ink series is not foreseen.

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APPLICATIONS

	Color Scale (Red to Green)				
Self-adhesive label					●
Shrink-Sleeve				●	
Multilayer label					●
Sandwich label					●
Wrap around label					●
Pouches			●		
Tube laminate				●	
Aluminum lids			●		
IML			●		

REMARKS

Potential of set-off migration!
 Potential of set-off migration!
 Potential of set-off migration!

SUBSTRATES

	Color Scale (Red to Green)				
Corona pre-treated Polyethylene					●
Primered Polyethylene					●
Corona pre-treated Polypropylene				●	
Primered Polypropylene				●	
Pre-treated/ primered Polyester				●	
Polystyrene				●	
Soft PVC (Vinyl)					●
Paper					●
Topcoat thermopaper					●
ECO thermopaper	●				
Primered aluminum foils					●
Primered metalized substrate					●

Depending on pre-treatment / quality of the primer
 Conditionally suitable application
 Depending on pre-treatment / quality of the primer
 Depending on pre-treatment / quality of the primer
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 Conditionally suitable application
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POST-PROCESSING

	Color Scale (Red to Green)				
TTR printing				●	
Hot-foil stamping					●

Conditionally suitable application
 Conditionally suitable application

SICURA NUTRIFLEX 10 PRODUCT-PORTFOLIO INCLUDES:

Ink series (incl. CMYK, PMS bases & fast shades)



Metallics



Opaque Whites & Sleeve Whites



Adhesives



OPV, Varnishes & Primers



Specialties



Products available in EMEA, LATAM, SEA, China

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