

SICURA NUTRIFLEX LEDTEC



The **SICURA Nutriflex LEDTec** flexo printing ink series is a dual-cure system curing by radical mechanism with UV-LED light at a wave-length of 395 nm as well as UV-curing mercury arc-lamps. 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 LEDTec 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

Dual cure system:
LED-UV curing (395 nm)
and **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 LEDTEC 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)					REMARKS
Self-adhesive label					●	
Shrink-Sleeve					●	
Multilayer label					●	
Sandwich label					●	
Wrap around label					●	
Pouches			●			Potential of set-off migration!
Tube laminate					●	Potential of set-off migration!
Aluminum lids			●			Potential of set-off migration!
IML			●			
SUBSTRATES						
Corona pre-treated Polyethylene					●	
Primered Polyethylene					●	Depending on pre-treatment / quality of the primer
Corona pre-treated Polypropylene				●		Conditionally suitable application
Primered Polypropylene					●	Depending on pre-treatment / quality of the primer
Pre-treated/ primered Polyester					●	Depending on pre-treatment / quality of the primer
Polystyrene				●		Depending on pre-treatment / quality of the primer
Soft PVC (Vinyl)					●	
Paper					●	
Topcoat thermopaper					●	Conditionally suitable application
ECO thermopaper	●					Conditionally suitable application
Primered aluminum foils					●	Depending on pre-treatment / quality of the primer
Primered metalized substrate					●	Depending on pre-treatment / quality of the primer
POST-PROCESSING						
TTR printing				●		Conditionally suitable application
Hot-foil stamping					●	Conditionally suitable application

SICURA NUTRIFLEX LEDTEC 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, CUSA, LATAM, SEA

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