

# SICURA NUTRIFLEX **LEDTEC**



and mercury arc lamp

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)

PRINTING SPEED up to 150 m/min

**PRODUCT SAFETY** low-migration

> developed for NPH (Nutri, Pharma + Hygiene) applications

• SWISS ordinance 817.023.21 **COMPLIANCES** 

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

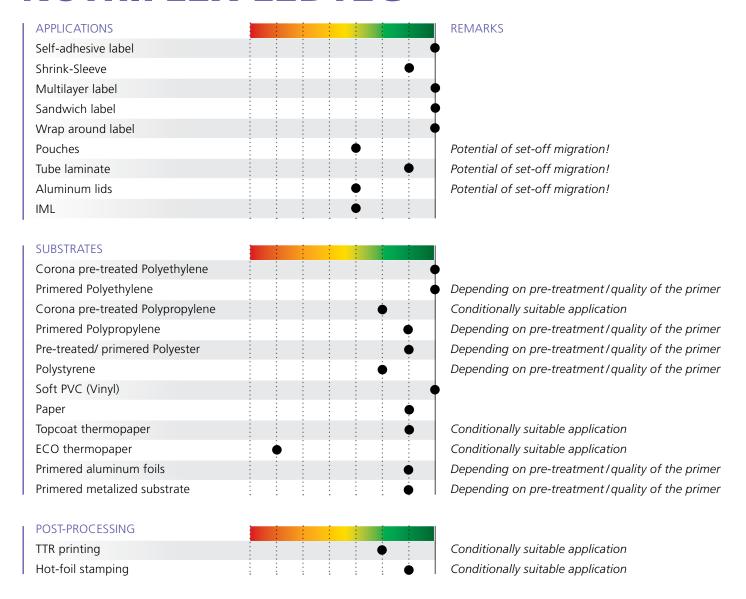
## Recommended anilox rollers

Highly concentrated process prints	360 – 475 lines/cm	_	2.5 – 3.5 cm <sup>3</sup> /m <sup>2</sup>
Line images and/or texts	180 – 195 lines/cm	_	$6.0 - 7.0 \text{ cm}^3/\text{m}^2$
Intensive solids	160 – 180 lines/cm	_	7.0 – 8.0 cm <sup>3</sup> /m <sup>2</sup>
Fine lines	200 – 320 lines/cm	_	4.5 – 6.0 cm <sup>3</sup> /m <sup>2</sup>

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



# SICURA NUTRIFLEX LEDTEC



#### SICURA NUTRIFLEX LEDTEC PRODUCT-PORTFOLIO INCLUDES:

Ink series (incl. CMYK, PMS bases & fast shades)	$\bigcirc$	Metallics	$\bigcirc$
Opaque Whites & Sleeve Whites	$\bigcirc$	Adhesives	$\bigcirc$
OPV, Varnishes & Primers	$\bigcirc$	Specialties	$\bigcirc$

Products available in EMEA, CUSA, LATAM, SEA

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