

TOYOLIFE LF Series

LIFE series are developed for sheet-fed offset printing processes. LIFE series inks are universal for printing on almost every kind of paper and board with almost all types of offset presses. These trichromatic printing ink series are formulated with improved vegetable and mineral oil based varnish system. Owing to its reformed formulation, it sets onto paper surface instantly and dries very quickly. It is suitable for all dampening systems. Especially for short runs and fast back-ups, LF series inks are especially advised.

TOYO Printing Inks is a member of the FOGRA certification institute. Thanks to its formulation, LIFE Series meets ISO 2846: 1 standards and allows printing in accordance with ISO 12647: 2 printing standards.

Technical Properties

- Very high gloss
- Excellent rub and scratch resistance
- Excellent ink-water balance
- Excellent dot sharpness
- Excellent runnability and press performance
- Suitable for fast back-ups
- Fast setting and drying
- Excellent ink transfer even at high speed
- Maximum colour strength and print density
- Inks can be left 72 hours in the duct
- Suitable for UV varnishing

Specifications

Physical Properties

- Base : Vegetable, Mineral oils / ink resins
- Shade : Process Colors
- Tack : 7,5– 8,5 (400 rpm/32°C/Inkometer)
- Solid Content : 45 - 75%
- Density : 1,0-1,1 g/ml
- Drying Mechanism : Oxidation / penetration
- Viscosity : 50 – 90 Pa.s. (23°C, CP50, 25s⁻¹, Anton Paar MCR101)
- Flash Point : >100 °C

Application Properties

- Application Method : Litho offset
- Dry Film : 1 - 2 gr/m²

Fastness Properties

	<i>Light</i>	<i>Alcohol</i>	<i>Alkali</i>	<i>Nitro</i>	<i>Transparency</i>
<i>LF-1200 Process Yellow</i>	5	+	+	+	○
<i>LF-1600 Process Magenta</i>	5	+	(+)	+	○
<i>LF-1100 Process Cyan</i>	8	+	+	+	○
<i>LF-1500 Process Black</i>	8	+	+	+	●

Storage and Shelf Life

Place away from sources of heat, ignition and direct sunlight. Could be stored in tightly closed containers, indoors at normal room temperature (20°C) for 5 years.

The above information is based on our laboratory tests. Variety of the conditions may affect the results. In this case please contact to our technical department.

Rev : 00

16.05.2015