

LF Series

TOYOLIFE

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 standard 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

This information is based on our latest state of knowledge, experience and results obtained in laboratory conditions by using specific processes and application types. Variety of the printing and process conditions may affect the results. In this case please contact to our technical department. And please check product performance and properties in your own conditions before doing industrial production. Toyo Printing Ink disclaims any liability for applications for which this ink series is not foreseen.

Specifications

Physical Properties

Base	: Vegetable, Mineral oils / ink resins
Shade	: Process Colours
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/m ²

Fastness Properties

	<i>Light Fastness</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.

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