

### Applications & Markets:

Sheet-fed offset commercial printing and packaging

### Advantages & Features:

Vegetable/mineral oil based, FOGRA certified, multi purpose process ink series

# LIFE



## Vegetable/mineral oil based conventional, quick drying sheet-fed offset ink series

TOYO LIFE series are developed for sheet-fed offset printing processes. TOYO LIFE series inks are universal for printing on almost every kind of paper and board with almost all types of offset presses. These trichromic 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.

### 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  
 Tack : 7,5 - 8,5 (400 rpm/32°C/Inkometer)  
 Solid Content : %45 - 75  
 Drying Mechanism : Oxidation/Penetration  
 Viscosity : 50 - 90 Pa.s. (23°C, CP50, 25s-1, Anton Paar MCR101)  
 Application Method : Litho Offset  
 Dry Film : 1-2 gr/m<sup>2</sup>

#### Fastness Properties

	Light Fastness	Alcohol	Alkali	Nitro	Transparency
LF-1200 Process Yellow	5	+	+	+	○
LF-1600 Process Magenta	5	+	(+)	+	○
LF-1100 Process Cyan	8	+	+	+	○
LF-1500 Process Black	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.