TOYOINK

TOYO UNIVERSE SF PROCESS

TU-1000 SERIES

TOYO UNIVERSE SF Process series are developed for sheet-fed offset printing process. These series inks are universal and economical for printing on almost every kind of paper and board. It is suitable for all dampening systems. Due to the renewed and developed formulation, it sets onto paper surface instantly and dries fast. Thanks to this properties it is suitable for short runs and fast back-ups and shortens the printing time period.

TOYO UNIVERSE series inks are formulated to meet the requirements of ISO 2846:1 standards.

Technical Properties

- High gloss
- Good rub and scratch resistance
- Very good ink-water balance
- Excellent dot sharpness
- Good runnability and press performance
- Fast setting and drying
- Suitable for fast back-ups
- Optimum colour strength and print density
- Good ink transfer even at high speed
- > Inks can be left 48 hours in the duct
- Suitable for UV varnishing

Specifications

Physical Properties

Base : Vegetable, Mineral oils / ink resins

Shade : Process colours

Tack : 7,0 - 10,0 (400 rpm/32°C/Inkometer)

Solid Content : % 45 - 75

Density : 1,0.-.1,1 g/ml

Drying Mechanism : Oxidation/penetration

Viscosity : 40 - 65 Pa.s. (23°C, CP50, 25s-1, Anton Paar

MCR101)

Flash Point : >100 °C

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.



Application Properties

Application Method : Litho offset

Dry Film : 1 - 2 gr/m²

Fastness Properties

_	Light Fastness	Alcohol	Alkali	Nitro	Transparency
TU-1200 TOYO UNIVERSE PROCESS YELLOW	5	+	+	+	0
TU-1600 TOYO UNIVERSE PROCESS MAGENTA	5	+	(+)	+	0
TU-1100 TOYO UNIVERSE PROCESS CYAN	8	+	+	+	0
TU-1500 TOYO UNIVERSE PROCESS BLACK	8	+	+	+	•

Storage and Shelf Life

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

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