

UV Ink

UV FLEXO-LED UT Series

UV FLEXO-LED UT Series is UV Curable ink for the flexographic system that excels curing property. **UV FLEXO-LED UT Series** cures well with the LED-UV curing system. **UV FLEXO-LED UT Series** is formulated in consideration of EuPIA, and passes the Low Migration test with a certain condition.

■ Features

- Excellent curing property, Suitable for high-speed printing
- Applicable to the LED-UV curing system
- In compliance with EuPIA Exclusion Policy for Printing Inks and Related Products
- Excellent printability and stability on the press machine
- Less plate swelling
- Excellent rub resistance including the case the printed matter gets wet

■ General properties

Color	Lightfastness		Heat Resistance	Soap Resistance	Solvent Resistance
	Masstone	Dilution			
PROCESS YELLOW	4	3	4	5	5
PROCESS MAGENTA	4~5*	3*	4	2	4
PROCESS CYAN	8	7	5	5	5
PROCESS BLACK	7~8	7	5	5	5
OPAQUE WHITE	8	7	5	5	5

Evaluation: Lightfastness 8(excellent)⇔ 1 (poor); Other Resistances: 5(excellent)⇔ 1 (poor)

*: Lightfastness deteriorates significantly when getting wet with water.

As for base colors, please kindly contact us or local distributors.

■ Test method

Lightfastness: Evaluate the lightfastness of printed matter by Fade-O-Meter. Classify the resistance on a scale from 1 to 8 based on the exposure time and the degree of fading. "Masstone" were tested without dilution, and "Dilution" by diluting them 5 times in a trans white.

Heat Resistance: Expose printed matter to 150 degrees (Celsius) heat in a drying oven for 10 minutes. Classify the resistance on a scale from 1 to 5 based on fading.

Soap Resistance: Applied 10% soap gel at 20~25 degrees (Celsius) to printed matter for 1 hour. Classify the resistance on a scale from 1 to 5 based on the degree of fading and bleeding in the soap gel.

Solvent Resistance: Immersed printed matter for 24 hours in a mixture of toluene and acetone in a 1:1 ratio at 20-25 degrees (Celsius). Classify the resistance on a scale from 1 to 5 based on the degree of fading and bleeding in the mixture.

■ Handling Instruction

- Mix well before use.
- Do not expose to direct sunlight.
- Store in a cool dark place.
- Surely pre-test and confirm whether **UV FLEXO-LED UT Series** meets the required specification before running an actual job.
- Adhesion might deteriorate in case the printed matter gets wet including condensation.
- When handling, please beware of fire, keep the work area well ventilated and avoid UV rays/direct sunlight. Please wear suitable protective equipment to prevent inhalation or contacting with eyes, skin, or clothes. When you get an ink stain on the clothes, please wash out the clothes immediately and changing the clothes to avoid contacting with dirt for a long time. After handling, please wash your hands and gargle well.
- In case the ink contact with eyes, please rinse it immediately with plenty of water for at least 15 minutes and seek medical attention from an ophthalmologist. In case the ink contact with skin, please wash out the clothes/shoes, wash the contacted part with soapy water and then rinse with plenty of water. If you have skin irritation or itching, please seek medical attention, and get medical care.
- Read SDS carefully before using **UV FLEXO-LED UT Series**.