

UV Inks

UV VNL-LED Series

"UV VNL-LED" series UV inks are compatible with LED-UV irradiation device.

■ Features

- ▶ It has excellent curability to the ultraviolet rays emitted by LED-UV irradiation device.
- ▶ Offers excellent adhesion to non-absorbent substrates like PP, PE, PET, PVC, treated aluminum-laminated paper, synthetic papers, etcetera.
- ▶ Post printing processes, such as over-coating (top coat), foil stamping, laminating, etc., are possible by selecting appropriate conditions. (However, conduct pre-use tests to ascertain suitability when post printing processes are planned.)
- ▶ Apart from 4 process colors, medium colors and OP Varnish are also available.

■ Properties

Product Name	Tack Value	Flow Value
UV VNL-LED Yellow	6.0	38
UV VNL-LED Magenta	6.0	36
UV VNL-LED Cyan	6.0	36
UV VNL-LED Black	6.0	39

*Tack Value: Ink-O-Meter, 400rpm, Water temperature 38°C, 1 minute value.

*Spread-O-Meter, Room temperature 25°C, spread diameter [mm] after 1 minute.

■ Handling Instructions

- ▶ As it is highly curable to the wavelength emitted by LED-UV irradiation device, the ink on the ink-fountain, when left unattended for long time, may cure by reacting to the ultraviolet rays of Florence lamp. In case skinning on the ink-fountain is detected, take deterrent steps such as, use of Florence lamp that cuts ultraviolet rays, putting a shade on the ink fountain, etcetera.
- ▶ Additives, cleaning agents and plates meant for UV inks should only be used.
- ▶ Ink adhesion varies depending on the substrate used and the surface state. Conduct pre-use tests to check the adhesion.
- ▶ Note that excessive application of ink will cause defects in curing and adhesion.
- ▶ The ink is developed to not cause any adverse effects on human body. However, in case of some people, leaving the ink on body or clothes for long time may cause rash. Wear protective gear when handling the ink, and wash your hands after completing the job.



2009/09/09 No.W-1

- ▶ The data contained herein are based on the results of the tests conducted in accordance with the in-house test methods, and are not standard values. Always conduct pre-use tests to ascertain the suitability of the product to your requirements. Nothing contained herein is to be construed as a recommendation for use in violation of any patents, applicable laws or regulations. It is the responsibility of the user to comply in all respects with applicable laws and regulations.
- ▶ Owing to product improvement the information contained herein may be modified without any prior notice.
- ▶ Make sure to read MSDS thoroughly before using the product.