

IU712

Black UV LED Curable Ink

ImTech's patented IU712 is designed for printing on substrates with low surface energy, and also works well on semi-porous surfaces. Both text and bar codes can be printed on foil, vinyl, glass, HDPE, LDPE, PVC, Polystyrene, polyester, and a wide variety of synthetic label materials. Available in HP 45 cartridges, IU712 cures rapidly with either UV LED or mercury lamps.

General Specifications

Ink part number	IU712	
Target substrates	Non-porous	
Ink vehicle	UV base in alcohol	
Colorant type	Pigment	
Drop volume	20 pL	
Maximum firing frequency	15 kHz	
Shelf life (single cartridge)	2 months	Refrigerate for longer shelf life
Curing wavelength	395 nm	
Maximum speed for curing	50 inches per second	Note 1
Operating conditions	0-40°C	
Storage conditions	<30°C	
Voltage	12 V	
Pulse width	2.0 μ sec	
Head warming temperature	40°C	Turn off when not printing for >1 hour
Decap time	15 minutes	

Note 1: 600v x 300h dpi, Phoseon RX Starfire 150 WC, 395 nm, 4 W/cm² LED, 7 mm above substrate with the 150 mm axis in the print direction.



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Cartridge Maintenance and Handling

- Clean the cartridge with a lint free cloth and wipe along the length of the printhead.
- If necessary, moisten the cloth first with denatured alcohol (not rubbing alcohol).

Cartridge Storage

- Remove cartridge from printer and replace clip if the cartridge will not be used for 24 hours or more.
- Store cartridges in a cool environment

Disclaimer

WE DECLARE OUR LIABILITY TO BE THE PRICE OF THE CARTRIDGE. We are committed to a continuing program of product improvement. Thus, please be advised that specifications, performance, parameters and appearance of our products are subject to change without notice. The information (including performance parameters) provided about this ink is based on tests conducted under controlled conditions. Since conditions of actual use may differ and are beyond our control, use this ink at your own risk and test for suitability in the application. We only guarantee initial start-up of the cartridge prior to the use by date listed on the cartridge packaging.
MSDS IS AVAILABLE UPON REQUEST.