NK022617

Description

Nanum® Invisible Inkjet NK022617 is a water-based ink produced with a special fluorescent dye. It features prolonged stability, extended shelf life that provides long lasting documents for security and anti-counterfeit purposes. This ink printings are invisible under daylight, but when exposed to UV light (at the specific informed wavelength) it shows vivid fluorescent lemon green color.

Application

NK022617 is an ink compatible and intended to be used with printheads, limited to TIJ, with the specific printing parameters described in properties. It is an excellent choice to protect documents and products against counterfeit. As a water-based dye ink, it can only be printed in fiber or paper substrates.

Properties:

Ink vehicle:	Aqueous
Ink type:	Invisible
Physical form:	Greenish translucent liquid
Viscosity (cP):	3 – 7
Surface tension (dyne/cm):	33 – 39
pH:	8.0 – 10.0
Specific gravity (g/cm^3):	1.05 – 1.15
Conductivity (µS/cm):	1800 – 2300
Absorption Maximum (nm):	280 – 344
Emission Maximum (nm):	543

Shelf life

NK022617 should be stored avoiding exposure to light in a cool, dry place with optimal temperature range for storage between 41 °F – 95 °F (5°C – 35 °C). This product has a shelf life of 2 years from the manufacture date when stored under the mentioned conditions. Exposing the ink to higher or lower temperatures may cause loss of its properties and/or printing performance.

Operating Conditions

Temperature: 18 ºC – 35 ºC (64°F - 95° F)

Humidity: 20 – 60 %

Ink Volume

Custom volume upon client request.

Notes

This INVISIBLE INKJET is produced according with a certified ISO 9001:2015 Quality Management System and NANUM warrants all reported specifications. However, satisfactory results from the ink use are related to individual formulation and operational procedures. Users are responsible for testing and to determine if our product will perform as expected throughout the entire printing, post printing, processing, and end-of-life.