

FLEXICRAFT® NpH
(NEUTRAL pH IN-LINE INKS)
(MED-18000-5 SERIES)

FT10
(12/09)

- Product Type:** Neutral-pH, low viscosity and press-ready waterbased inks made with proprietary polymers. These inks do not need pH adjustment for stability, are advantageous for use in areas where ammonia and amine odors cannot be tolerated, and deliver excellent resolubility on press.
- General Description:** MED-18000-5 inks are specifically designed for use on flexographic printing units integrated with form-fill-seal equipment. They are ideal for the in-line printing of medical packaging and heat-sealable lidding stock. These inks produce high gloss, fast drying, low odor, excellent resolubility on press, good printability, stability, and water resistance. These neutral pH inks contain no neutralizers and very low levels of organic solvents (VOC). As a result, they produce dried ink films with extremely low levels of odor and retained solvents.
- Stocks:** MED-18000-5 inks yield excellent adhesion, gloss and abrasion resistance when used on treated polyolefin films, polyesters, Tyvek®, and surgical kraft and other medical grade papers.
- Plates & Rollers:** Natural rubber, Cyrel® and other photopolymer plates and rollers are acceptable and unaffected by these inks.
- Additive and Diluent*:** Supplied press-ready at a viscosity between 18 to 25 sec, Zahn Cup #2 at 25 °C. Although generally not required, MED-18999-5 diluent may be used to adjust drying rate or maintain viscosity.
- Viscosity Stability:** Unlike common amine-stabilized aqueous inks, the proprietary polymer system used in the MED-18000-5 inks does not require amine neutralization. Thus, no monitoring of pH or adjustments with ammonia or other amines is required during extended printing runs. Some increases in viscosity may occur, however, as a result of evaporation of water or solvents present in the ink. If this occurs, simply add the recommended diluent to bring viscosity within normal range. Use of reservoir or fountain covers will help to reduce evaporation of solvents.

*Note: Ammonia or other amines should never be added to MED-18000-5 inks

Clean-up: As with many aqueous inks, the MED-18000-5 inks should be cleaned-up as soon as possible after the printing process is complete. Remove as much ink as possible from the fountain. The recommended cleaner is MED-18998-5 and after using the cleaner thoroughly rinse the parts with water or isopropyl alcohol and dry thoroughly to prevent corrosion.

Color Availability*: Available in most Pantone® colors.

FDA Acceptability**: MED-18000-5 inks meet the requirements of CONEG and ANSI specification F963 with regard to lead and other heavy metal content. These inks can be submitted to the FDA for inclusion in Colorcon No-Tox Products' Drug Master File #17155 and are manufactured under strict cGMP guidelines in our dedicated facility.

* Pantone is a check-standard and registered trademark of Pantone, Inc.

**Note: FDA acceptability is based on the ink as supplied. Therefore, no other materials should be added, other than those indicated in this technical data sheet, unless specifically recommended by Colorcon.