INX International Ink Co.

Technical Data Sheet

Belle Color™

High Performance Universal Lamination Inks

For more information or for the INX location in your area, contact:

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Belle Color™ *is a premium solvent based gravure ink system designed for adhesive or extrusion lamination.*

Belle Color™ is a high performance solvent based gravure ink system designed for adhesive or extrusion lamination. Belle Color™ works well with a variety of solvent-based, water-based, and solvent-less adhesive systems.

- Exceptional film adhesion
- Excellent lamination bond strength
- Superior strength
- Excellent resolubility
- Good printability
- Clean printing
- Lightfast colorants available
- Heat resistant
- Very low solvent retention
- Excellent heat resistance
- Single component ink system for general purpose
- Excellent block resistance for off-line lamination
- Boil in bag and retort applications without crosslinker
- Excellent retort performance with clear high barrier films such as AlO_x and SiO_x PET

Storage:

- Inks should be stored at temperatures above freezing

Shelf Life:

- Twelve (12) months minimum in a sealed container

Technical Information:

Substrates:

- Most treated films including:
  - Polyester
  - Polypropylene
  - Saran coated films
  - Polyethylene
  - Cellophane
  - Nylon
  - AlO_x & SiO_x coated films

Reducing Solvents:

- **Normal**
  80% n-propyl acetate
  20% isopropyl alcohol
- **Slow**
  80% isobutyl acetate
  20% isopropyl alcohol
- **Fast**
  80% ethyl acetate
  20% isopropyl alcohol

Printing viscosity:

- **White**
  20 seconds #2 Zahn
- **Line Colors**
  25 – 35 seconds #2 Zahn
- **Process Colors**
  20 - 25 seconds #2 Zahn

Additional Comments:

For best adhesion, be sure that Dyne levels are at or above 38

*Results may vary according to your press conditions.

(MDH 09/10/02) Approved RMS 10/3/02