

## XJK™ PROCESS INKS

Solvent Lamination Ink

### Product Overview

XJK™ is a solvent-based, lamination printing ink system formulated for excellent print quality, multiple film versatility and high-performance properties. XJK™ is designed for excellent ink transfer. The system was designed for better process print quality and solid wet out especially with flat-top dot plate technology. XJK™ inks are formulated for high color strength. The XJK™ series was designed for excellent bond values and superior solvent release. XJK™ provides bonds with water, solvent and especially solventless adhesives. XJK™ also provides good primed extrusion lamination bond values.

### Technical Data

- **Solvent Reducer Recommendations:**
  - Normal Blend: 85% normal propyl alcohol/15% normal propyl acetate
  - Fast Blend: 85/15 ethyl alcohol/n-propyl acetate OR 80% Normal propyl alcohol/20% normal propyl acetate
  - Slow Blend: Add glycol ether PnP/PM acetate blend, ADD-X1003
  - Run the fastest combination consistent with clean printing to assure low solvent retention levels and non-blocking properties
- **Substrate Applications:**
  - Treated polypropylene and polyethylene
  - Treated polyester, including chemically treated
  - PVdC coated polyester and polypropylene
  - Treated and coated nylon
- **Anilox Rolls:** Process work: 600 to 1,400 ls
- **Printing Viscosity:** 20 to 26 #2 Zahn cup @ 72°F
- **Minimum Web Temperature:** 120°F with adequate exhaust for polyolefins, 165°F with adequate exhaust for polyesters and nylon
- **Plate Material:** Photopolymer
- **Ink Storage:** 50°F to 100°F in provided containers, out of direct sunlight.

#### **Cautions:**

- As with all laminating inks, specific films must be tested before a production run.
- Pre-testing of application is always recommended.

### Physical Characteristics

- Designed for clean flexographic printing on doctor-bladed, flexo press metering systems
- Good adhesion to a wide range of film substrates
- Recommended for both adhesive and primed extrusion lamination
- Excellent color strength and stability
- Excellent resolubility allows for clean running of fine type and screen applications
- Designed for high press speeds
- Very low solvent retention and odor
- HAPs and PFAs free
- Excellent heat seal bonds
- TDI and tin free



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## **Colors Available**

XJK™ inks are formulated to have a maximum pigment load while maintaining a low consistent viscosity. XJK™ is available in seven process colors and white. XJK™ is available in standard, bleed resistant, permanent, and high-performance pigments. XJK™ can be shipped to DE specifications to meet the most stringent customer demands.

For technical assistance, call 1-979-778-1538.

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