

BONDWISER™

Solvent Lamination Ink

Product Overview

BONDWISER™ is a solvent-based lamination printing ink system formulated for excellent print quality, multiple film versatility and high-performance properties. These inks are formulated with nitrocellulose bases for high color strength. The BONDWISER™ series was designed for excellent bond values and superior solvent release. It provides bonds with water, solvent and especially solventless adhesives. It also delivers good primed extrusion lamination bond values.

Technical Data

- **Solvent Reducer Recommendations:**
 - Normal: 85% normal propyl alcohol/15% normal propyl acetate
 - Fast: 85/15 ethyl alcohol/n-propyl acetate OR 80% normal propyl alcohol/20% normal propyl acetate
 - Slow: Add glycol ether PnP/PM acetate blend
 - Run the fastest combination consistent with clean printing to assure low solvent retention levels and non-blocking properties.
- **Blend Ratio:** Line: 60-65% Toyo Ink Core™ nitrocellulose base, 35-40% BONDWISER™ vehicle. Process: 70-75% Toyo Ink Slow Core™ nitrocellulose base, 25-30% BONDWISER™ process vehicle
- **Substrate Applications:**
 - Treated polypropylene and polyethylene
 - Treated polyester, including chemically treated
 - PVdC coated polyester and polypropylene
 - Treated and coated nylon
- **Anilox:** Line: 300 to 500 ls, Process: 600 to 1,400 ls
- **Printing Viscosity:** 18 to 25 #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 or natural rubber.
- **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

Physical Characteristics

- Designed for clean flexographic printing on doctor-bladed, flexo press metering systems.
- Good adhesion to a wide range of film substrates
- Nitrocellulose base blendable
- 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 & PFAs free
- Excellent heat seal bonds
- TDI and tin free
- Works on most films without a cross-linker or additives



Toyo Ink America. LLC

An artience group company

1225 N. Michael Drive

Wood Dale, IL 60191 USA

Tel: 630-930-5100

www.artience-toyoinkamerica.com

Colors Available

BONDWISER™ inks are formulated to have a maximum pigment load while maintaining a low consistent viscosity. BONDWISER™ is available in a full color palette of standard, bleed resistant, permanent, and high-performance pigments. PANTONE® approved bases and mixes area variable. Color computer-controlled bases, matched to any standard, are available for customers who have dispensers already in place and wish to avoid changing the database. BONDWISER™ 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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