

PYROPRO™

Solvent Process Printing Ink

Product Overview

PYROPRO™ is a solvent-based, process printing ink system formulated for clean printing of fine type and screen applications. It has excellent print quality, multiple film versatility and high-performance properties. This system delivers excellent adhesion, good gloss, high color strength and excellent heat resistance. PYROPRO™ ink is formulated utilizing the latest in resin and pigment technology.

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:**
 - Process inks are available both pre-blended and as base/vehicle
 - 70-75% Toyo Ink slow Core™ nitrocellulose base, 25-30% PYROPRO™ process technology vehicle
- **Substrate Applications:**
 - Treated polypropylene and polyethylene
 - Treated polyester, including chemically treated
 - PVdC coated polyester and polypropylene
 - Treated and coated nylon
- **Anilox:** Process: 600 to 1,400 ls
- **Printing Viscosity:** 18 to 28 #2 Zahn cup
- **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 inks, specific films should be tested before a production run.
- This system should not be blended with other systems.
- This system should not be printed with line volume aniloxes because the reduced dry speed for thin ink film applications may cause blocking.

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 for optimum color control
- Excellent color strength and stability
- Excellent resolvability 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 resistance
- Good rub and scratch resistance
- Ice water crinkle resistant
- Good water resistance



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Colors Available

PYROPRO™ inks are formulated to have a maximum pigment load while maintaining a low consistent viscosity. PYROPRO™ is available in standard, bleed resistant, permanent, and high-performance pigments. PYROPRO™ is available in seven process colors and 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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