

THINK

UV and HYBRID Process Series



On the Leading Edge

Our family of UV and HYBRID products delivers leading-edge press performance and incredible visual impact. They blend the runability of the highest quality sheetfed and web offset inks, with the instant drying benefits that UV curing provides. Truly high-tech solutions that allow you to improve productivity and better respond to customer needs.

Product Overviews

HYBRID Process Series Hybrid formulation allows it to run with conventional press rollers while still providing the highest gloss with inline UV coatings. It cleans up with normal wash-up solutions while minimizing gloss back and roller swelling.

UV Paper Process Series offers excellent printing properties similar to general purpose process inks. PMS base series color also available. It performs well on a variety of paper substrates and can also be used on polyethylene coated stocks.

UV PST Process Series offers excellent printing properties similar to general purpose process inks. Manufactured for use on plastic substrates, but also suitable for a wide range of substrates.

UV PST Mixing Base Series base colors are formulated with TOYO INK technology, which gives them excellent adhesion and curing properties on a wide range of plastic substrates.

TOYO INK
Value You Can See

1-866-969-TOYO (8696) • www.toyoink.com



Features and Benefits

■ HYBRID Process Series

Features

- Minimum gloss back
- High pigmentation
- Minimal roller swelling
- Instant curing

Benefits

- High gloss with UV coatings
- Quick turnaround
- High print contrast
- Low dot gain

■ UV Paper Process Series

Features

- High-speed compatibility
- Improved scumming resistance
- Improved stability

Benefits

- Excellent cure speed suitable for high-speed printing
- Prints consistently with every kind of dampening system
- Provides stable on-press emulsification, ink transfer and fluidity

■ UV PST Process Series

Features

- Good cure speed
- High-speed compatibility
- Stable press performance

Benefits

- Excellent cure speed suitable for high-speed printing
- Provides stable on-press emulsification, ink transfer and fluidity
- Suitable for a wide range of substrates

■ UV PST Mixing Base Series

Features

- Good cure speed
- High-speed compatibility
- Stable press performance

Benefits

- Excellent cure speed suitable for high-speed printing
- Provides stable on-press emulsification, ink transfer and fluidity
- Suitable for a wide range of substrates



For technical assistance, call 1-866-969-8696.

Specifications

■ HYBRID Process Series

Packaging

5 lb. cans

Available Base Colors:

Warm Red, Rhodamine Red, Purple, Violet, Green, Reflex Blue, Black Tint Base, Opaque White

Technical Data

	Yellow	Magenta	Cyan	Black
Viscosity	210 poise	300 poise	300 poise	250 poise
VOC (lb/gal)	0.13	0.15	0.12	0.16

Test conditions: Viscosity tested on Haake RT 20. Poise ranges are +/- 50.

Note: For roller and blanket washing, we suggest initially applying a minimum amount of UV solvent to assist in the breakdown of the HYBRID inks followed with conventional wash-up solutions.

Recommended temperature for proper ink storage and extended shelf life: 60 – 80° F.

■ UV Paper Process Series

Packaging

1 kilo (2.2 lbs.) containers

Technical Data

	Yellow	Magenta	Cyan	Black
M Series (Medium Tack)				
Viscosity	800	950	900	800
VOC	<1%	<1%	<1%	<1%

Test conditions: Viscosity tested on Haake RT20. Poise ranges are +/- 50.

■ UV PST Process Series

Packaging

5 lb. cans

Technical Data

	Yellow	Magenta	Cyan	Black
M Series (Medium Tack)				
Viscosity:	850	1000	950	600
VOC	<1%	<1%	<1%	<1%

Test method: EPA 24

Test conditions: Viscosity tested on Haake RT 20. Poise ranges are +/- 50.

■ UV PST Mixing Base Series

Packaging

5 lb. cans

Available Colors

Warm Red, Rhodamine Red, Purple, Violet, Green, Reflex Blue, Black Tint Base, Opaque White

Technical Data

M Series (Medium Tack)	
Viscosity:	450-550
VOC	<1%

Tack: Ink-O-Meter 800 rpm, 90°F

Note: Cure speed is dependent upon in film thickness, number of lamps, type of lamps and ink color. Actual tack and flow on the press vary due to ink film thickness, image area, press speed, fountain solution and also the condition of the press and pressroom. The merchandise herein contained is sold without warranties express or implied. These conditions shall not be waived other than by an offer of the seller in writing.