PRODUCT INFORMATION BULLETIN

Rutland M3 Ink System

Rutland™

M3 Ink Mixing System is an easy to use, highly accurate finished color matching ink mixing system. This system is much more forgiving than a PC based product as it does not require as accurate of measure or base and additives to complete a formula. Most formulas are combinations of M3 colors.

Highlights

- M3 colors directly replace the M2 and EM ink mixing colors.
- M3 inks are opaque resulting in excellent coverage on dark garments.
- The tack free formula allows printing through a range of mesh counts without the need for a viscosity modifier.
- No build-up formulations ensure the highest print efficiencies without down time for wiping screens.
- Mix thousands of finished ink colors by choosing Pantone colors from our IMS 3.0 Ink Mixing Software or by custom mixing your own colors.
- ES0266 NPT Barrier Base available for printing on 100% polyester.

Compliance

- Internationally compliant
- Non-phthalate
- https://www.avientspecialtyinks.com/services/compliance-support

Precautions

- The information above is given in good faith and does not release you from testing inks and fabrics to confirm suitability of substrate and application process to meet your customer standards and specifications.

Printing Tips

- Printing on White Garments: Mix per formulation or by eye to achieve brilliant colors on 100% cotton whites.
- For extremely soft-hand prints, mix finished color up to 1:1 with ES0250 NPT Chino Base.
- Printing on Dark Garments or over an underlay: When printing on dark garments, mix per formulation or custom blend to achieve brilliant colors over an underlay.
- Use the NPT Low Bleed White on poly/cotton blends and the ES0266 NPT Barrier Base when printing on 100% polyester.
- Puff designs: Mix up to 30% of K2470 NuPuff Base to any formulated Color to create a puff ink.

Recommended Parameters

Fabric Types
Cotton

Flash & Cure
Flash: 140-150°F on pre-heated pallets
Cure: 320°F

Clean Up
Unused ink will need to be disposed of responsibly. Standard plastisol cleaners, press wash, or ink degradant

Mesh
Count: 86-305t/in
Tension: 25n/cm3

Pigment Loading
N/A

Health & Safety
Find SDS information here: www.avient.com/resources/safety-data-sheets or contact your local CSR

Squeegee
Durometer: 70,80
Profile: Square
Stroke: 1+
Angle: 15-20%

Additives
K2940 Hugger Catalyst - 10% by weight

Stencil
Standard Emulsion
Off Contact: 1/16" (2mm) or greater
Emulsion Over Mesh: 15-20%

Storage
65 -95 °F (18 -35 °C) Avoid direct sunlight

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