

Rutland™ M3 LC Mixing System


RUTLAND™


Rutland™ M3 LC is an easy to use, highly accurate finished color mixing system. This system is much more forgiving than a PC-based product because it doesn't require as precise a measurement of the base and additives to complete a formula. The M3 LC system consists of flexible cure inks created to provide an excellent wet-on-wet performance.

Highlights

- M3 LC colors directly replace the M3 mixing colors
- M3 LC 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
- Only 14 components

Printing Tips

- Important: Pallet temps need to remain between 135°F to 145°F (57°C - 62°C)
- Printing on white garments: Mix per formulation or by eye to achieve brilliant colors
- For extremely soft hand prints, mix finished color up to 10% of LC0000 Chill Relax Extender
- 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 low bleed whites on poly/cotton blends and LB0266 Chill LB LC Barrier Base when printing on 100% polyester
- In a standard cure environment (320°F/160°C) you can use K2910, ES0266, M30063 instead of K2912, LB0266, LC0000 respectively

Compliance

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

Sustainability


Reduced Energy Use

Precautions

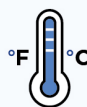
- The information above is given in good faith and does not release you from testing inks and fabrics to confirm suitability of substrate and application process to meet your customer standards and specifications.

Recommended Parameters



Fabric Types

100% Cotton, (*) poly/cotton blends, 100% polyester



Flash & Cure

Flash: 140-150°F (60-65°C)
Cure: 270-320°F



Clean Up

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



Mesh

Count: 86-305 t/in (34-120t/cm)
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
K2912 VISCOSITY BUSTER LC



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.
Use within one year of receipt.
Keep container well sealed.


**AVIENT
SPECIALTY
INKS**

V5.05 (Modified: 11/05/2025)

2025, Avient Corporation. Avient makes no representations, guarantees, or warranties of any kind with respect to the information contained in this document about its accuracy, suitability for particular applications, or the results obtained or obtainable using the information. Some of the information arises from laboratory work with small-scale equipment which may not provide a reliable indication of performance or properties obtained or obtainable on larger-scale equipment. Values reported as "typical" or stated without a range do not state minimum or maximum properties; consult your sales representative for property ranges and min/max specifications. Processing conditions can cause material properties to shift from the values stated in the information. Avient makes no warranties or guarantees respecting suitability of either Avient's products or the information for your process or end-use application. You have the responsibility to conduct full-scale end-product performance testing to determine suitability in your application, and you assume all risk and liability arising from your use of the information and/or use or handling of any product. AVIENT MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, either with respect to the information or products reflected by the information. This literature shall NOT operate as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner.