

# LC0540 CHILL LC COTTON MIXING BASE



Rutland™ LC0540 Chill LC Cotton Mixing Base is formulated as a press-ready flexible cure base for mixing colors using C3 Color Boosters and printing on 100% Cotton or over a Chill LC low bleed underlay when printing on poly/cotton blends.

## Highlights

- Mix with Rutland™ C3 colors
- Semi-opaque colors
- Flexible cure temp from 270°F - 320°F (132°C - 160°C)
- Wet-on-wet printing at high production speeds
- Matte finish

## Printing Tips

- When blended according to formulations, colors will be semi-opaque
- Adjust flash cure temperature and dwell time so ink is just dry to touch. Depending on flash unit, a 2 - 3 second flash is adequate
- LC0540 Chill LC Cotton Mixing Base is not a low-bleed ink, when printing on fabrics that are prone to bleed underbase with Chill LC LB Tidy White, Chill LC Polywhite and/or Chill LC Barrier Grey
- Exhibits good color retention in high-speed wet-on-wet production with exceptional resistance to build up
- Printers should always test the ink on their fabric under their process conditions before printing production runs

## Compliance

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












## Sustainability



## Precautions

- The information provided in this document 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

|  |   |   |
|--|---|---|
|  <b>Fabric Types</b><br>100% cotton  |  <b>Flash &amp; Cure</b><br>Flash: 220°F (105°C)<br>Cure: 270°F (132°C) Entire ink film  |  <b>Clean Up</b><br>Unused ink will need to be disposed of responsibly. Standard plastisol cleaners, press wash, or ink degradant  |
|  <b>Mesh</b><br>Count: 86-305 t/in (34-120 t/cm)<br>Tension: 25-35n/cm2  |  <b>Pigment Loading</b><br>Maximum 25% C3  |  <b>Health &amp; Safety</b><br>Find SDS information here:<br><a href="http://www.avient.com/resources/safety-data-sheets">www.avient.com/resources/safety-data-sheets</a> or contact your local CSR  |
|  <b>Squeegee</b><br>Durometer: 60/90/60, 70/90/70, 60-90<br>Profile: Square, Sharp<br>Stroke: Medium flood, Medium-Fast stroke<br>Angle: 10°-15° |  <b>Additives</b><br>K2912 VISCOSITY BUSTER LC   | <p>2023, 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.</p> |
|  <b>Stencil</b><br>2 over 2<br>Off Contact: 1/16" (2mm)<br>Emulsion Over Mesh: 15-20%  |  <b>Storage</b><br>65°-90° F (18°-32° C)<br>Avoid direct sunlight.<br>Use within one year of receipt.<br>Keep container well sealed. |   |
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