



BP0540 EVOLVE™ BIO PLASTISOL™ COTTON MIXING BASE

Rutland™ Evolve™ Bio Plastisol™ Inks help screen printers achieve their sustainability goals while maintaining an intuitive plastisol printing experience. Created with over 50% bio-derived content, Rutland BP0540 Evolve Bio Plastisol Cotton Mixing Base can be mixed with Rutland C3 Color Boosters, printed on 100% cotton, or used as an underbase when printing on poly/cotton blends.

Highlights

- Short body and low wet tack allow for minimal build-up
- Fast shearing action allows for higher press speeds
- Easy to use
- Helps maintain printable viscosity when mixed with C3 Color Boosters
- Mixed colors will print with a satin finish
- 59% calculated according to ASTM D6866 (BP0540 alone)

Printing Tips

- Mix BP0540 Evolve Bio Plastisol Cotton Mixing Base with C3 Color Boosters and print directly onto substrates. Colors should be made in accordance with IMS 3.0 Pantone® mixing system.
- Use ES0266 NPT Barrier Base as an underbase when printing on polyester fabrics and blends to avoid dye migration.
- BP0540 is normally printed through mesh ranges from 86-305 t/in (34-120 t/cm). 70-80 Durometer squeegee with sharp edge are recommended for maximum definition.
- Proper cure is achieved when garment reaches 320°F (160°C).

Compliance

- Non-phthalate
- For individual compliance certifications and conformity statements, please visit: www.avientspecialtyinks.com

Sustainability













Biopolymers

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

 <p>Fabric Types 100% cotton</p>	 <p>Flash & Cure Flash: 280°F (138°C) for 3 seconds Cure: 320°F (160°C)</p>	 <p>Clean Up Unused ink will need to be disposed of responsibly. Standard plastisol cleaners, press wash, or ink degradant</p>
 <p>Mesh Count: 86-305 t/in (34-120 t/cm) Tension: 25n/cm3</p>	 <p>Pigment Loading C3 Color boosters</p>	 <p>Health & Safety Find SDS information here: www.avient.com/resources/safety-data-sheets or contact your local CSR</p>
 <p>Squeegee Durometer: 70/90/70, 70,80 Profile: Square Stroke: 1+ Angle: 15-20%</p>	 <p>Additives</p>	<p>2024, 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>
 <p>Stencil Standard Emulsion Off Contact: 1/16" (2mm) or greater Emulsion Over Mesh: 15-20%</p>	 <p>Storage 65 -95° F (18 -35° C) Avoid direct sunlight. Use within one year of receipt. Keep container well sealed.</p>	



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