BRA SILICONE

$ZODIAC^{T}$ ecocentric inks

PRODUCT INFORMATION BULLETIN

Libra[™] Black RFU

RECOMMENDED PARAMETERS



100% Polyester, Cotton and Poly/Cotton blended fabrics



Mesh Count: 80-225t/cm (31-88t/cm) Tension: 18-35n/cm3



Squeegee Durometer: 70 or 60-90-60 Profile: sharp, square Stroke: x2 stroke, medium speed Angle: 10-15%



Standard Emulsion Off Contact: 1/16" (2mm) Emulsion Over Mesh: 40 micron



Flash & Cure

Stencil

Flash: 300°F(149°C) for 4 seconds (on preheated pallets) Cure: 60 seconds at 270°F(132°C)



Pigment Loading

Not recommended



Libra™ Catalyst: 3-5%

Libra[™] Additives

Libra™ Retardant: 0.5-3%



Storage

40°F-77°F (5°C-25°C) Avoid direct sunlight. Use within one year of receipt. Keep container well sealed.



Clean Up Standard plastisol cleaners



Find SDS information here: www.avient.com/resources/safetydata-sheets or contact your local CSR

Libra™ Black RFU (LIB8090) is a medium viscosity opaque black ink with a creamy texture, excellent printability and a matte finish for your silicone printing needs. The ink is designed to maximize opacity, bring excellent coverage and extreme strechability while maintaining a super-soft flexible hand.

HIGHLIGHTS

- Matte finish
- Excellent coverage and opacity

Super-soft hand feel

Non-tacky hand

Extreme stretchability

PRINTING TIPS

- Use 3-5 parts Libra™ Catalyst to 100 parts Libra™ Black RFU. Mix well and print. To prevent wastage only catalyze what is needed to print for 4 hours.
- Use 80-225t/cm (31-88t/cm) mesh screens for best performance.
- Print with 1/16" or 2mm off contact.
- Print two strokes to ensure the mesh is clear and you have a good ink deposit.
- Flash between prints.
- Clean the stencil area when stopped to prevent screen blockages.
- Prints should be cured at 270°F /132°C for 60 seconds. Check the cure temp at the ink surface.
- After adding Libra[™] Catalyst, pot life can be increased by storing the catalyzed mixture at 35-45°F (1.6-7.2°C). It is recommended to complete post tests to determine the usability of the mixture.
- Test all prints for print durability before starting the production run.

COMPLIANCE

- Non-PVC, non-phthalate
- Visit www.avient.com/products/screen-printing-inks/zodiac-libra for more information

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

V4.51 (Modified: 09/08/2023)



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 and/or use or handling of any product. AVIENT MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF EMERCHANTABILITY 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 of