



Libra™ Black RFU

RECOMMENDED PARAMETERS

Fabric Types

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%



Stencil

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



Flash & Cure

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



Pigment Loading

Not recommended



Libra™ Additives

Libra™ Catalyst: 3-5%
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



Health & Safety

Find SDS information here:
www.avient.com/resources/safety-data-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 stretchability while maintaining a super-soft flexible hand.

HIGHLIGHTS

- Matte finish
- Non-tacky hand
- Excellent coverage and opacity
- Super-soft hand feel
- 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



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