



#### 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

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

Store in sealed containers 12 months  
from manufacture >40°F (5°C)  
<77°F(25°C)



##### Clean Up

Standard plastisol cleaners



##### Health & Safety

SDS: [www.avient.com/resources/safety-data-sheets](http://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 and 0.5-3 parts Libra™ Retardant 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.
- 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](http://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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