



Libra™ Matte Clear Base

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: High Density
100-400 micron

**Flash & Cure**

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

**Pigment Loading**

Libra™ Silicone Pigments Maximum
20%

**Libra™ Additives**

Libra™ Catalyst: 3-5%
Libra™ Retardant: 0.5-2%

**Storage**

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

**Clean Up**

Standard plastisol cleaners

**Health & Safety**

Find SDS information here:
[www.avient.com/resources/safety-
data-sheets](http://www.avient.com/resources/safety-data-sheets) or contact your local CSR

Libra™ Matte Clear Base (LIB0307) consists of a medium viscosity translucent base with excellent printability to bring a matte effect to your silicone prints. The ink can be pigmented with Libra™ pigments or special effect toners. Designed to achieve a matte effect with extreme stretchability while maintaining a super-soft flexible hand.

HIGHLIGHTS

- Matte finish
- Extreme stretchability
- Crock resistance
- Non-tacky hand
- Clear base
- Super-soft hand feel

PRINTING TIPS

- Use 5 parts Libra™ Catalyst and 0.5-2 parts Libra™ Retardant to 100 parts Libra™ Matte Clear Base. Libra™ pigments and special effect toners can be added up to 20 parts. Mix well and print. To prevent wastage only catalyze what is needed to print for 4 hours.
- For crock resistance print through 160-230t/in (62-90t/cm) mesh screen for best result. A thick ink film is not necessary.
- Colors should be made in accordance with Libra™ IMS3.0 Pantone® mixing system with a maximum of 20% pigment loading.
- 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 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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V3.00 (Modified: 02/17/2021)

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