



Libra™ Clear Gloss 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: 0.5-3%



Storage

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



Clean Up

Standard plastisol cleaners



Health & Safety

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



Libra™ Clear Gloss Base (LIB0308) consists of a medium viscosity translucent base with excellent printability to bring a glossy effect to your silicone prints. The ink can be pigmented with Libra™ Pigments or special effect toners. Designed to achieve a glossy effect with extreme stretchability while maintaining a super-soft flexible hand.

HIGHLIGHTS

- Glossy finish
- Non-tacky hand
- Clear base
- 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™ Gloss Clear Base. Libra™ Pigments, special effect Toners and powders can be added up to 20 parts. Mix well and print. To prevent wastage only catalyze what is needed to print for 4 hours.
- 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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