



ZODIAC ECOCENTRIC INKS

PRODUCT INFORMATION BULLETIN

Libra™ Matte Clear Base

RECOMMENDED PARAMETERS



Fabric Types

100% Polyester, Cotton and Poly/Cotton blended fabrics

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 strechability while maintaining a super-soft flexible hand.

Libra™ Matte Clear Base (LIB0307) consists of a medium viscosity translucent base

HIGHLIGHTS

Matte finish

Extreme stretchability

Super-soft hand feel

Crock resistance

Non-tacky hand

Clear base

Squeegee

Mesh

Durometer: 70 or 60-90-60 Profile: sharp, square Stroke: x2 stroke, medium speed

Count: 80-225t/cm (31-88t/cm)

Tension: 18-35n/cm3

Angle: 10-15%



- Use 5 parts Libra™ Catalyst 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.



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

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/safetydata-sheets or contact your local CSR

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



AVIENT SPECIALTY **INKS**

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