LIBRA™ SILICONE

ZODIAC™ ECOCENTRIC INKS

PRODUCT INFORMATION BULLETIN

Libra™ Emboss Base

RECOMMENDED PARAMETERS

Fabric Types
100% Polyester, Cotton and Poly/ Cotton blended fabrics

Mesh
Count: 83-160 t/in (32-63 t/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: 20%

Flash & Cure
Flash: Do not flash
Cure: 60 seconds at 250°F (121°C)

Pigment Loading
Not required

Libra™ Additives
Libra™ Catalyst: 2-3%
Libra™ Retardant: 1-2%

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 or contact your local CSR

Libra™ Emboss Base (LIB6109) consists of a medium viscosity translucent base designed to provide emboss effect on fabrics by pressing the printed silicone in designed molds (concave or convex).

HIGHLIGHTS

- Non-tacky hand
- Sharp-edge
- Extreme high density

PRINTING TIPS

- Use 2-3 parts Libra™ Catalyst and 1-2 parts of Libra™ Retardant to 100 parts Libra™ Emboss Base
- Use 83-160 t/in (32-63 t/cm) mesh screens for best performance
- Print double stroke on backside of fabric. Print with 1/16" or 2mm off contact
- Print graphic or flood coat then transfer the garment to embossing plates for stamping
- Set mold temperatures to 248-300°F (120-149°C). Press for 8 –15 seconds depending on temperature and design dimensions
- It is recommend to post cure 60 seconds at 250°F (121°C)

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™ AVIENT SPECIALTY INKS

V1.03 (Modified: 27/04/2021)