LIBRA™ SILICONE

ZODIAC™ ECOCENTRIC INKS

PRODUCT INFORMATION BULLETIN

Libra™ High Density Base

RECOMMENDED PARAMETERS

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

Mesh
Counts: 80-160t/in (34-62t/cm)
Tension: 18-35n/cm3

Squeegee
Medium: 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: 50-200 microns or capillary film up to 400 microns

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%
Libra™ Pigment/Toner: up to 20%

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

Clean Up
Standard plastisol cleaners

Health & Safety
SDS: www.polyone.com/resources/safety-data-sheets
or contact your local CSR

Libra™ High Density Base consists of a high viscosity translucent base with excellent shear properties to transfer easily from thick emulsion or capillary film. The ink can be pigmented with Libra pigments and toners or special effect additives. Designed to achieve High Density effect while maintaining a super-soft flexible hand.

HIGHLIGHTS

- Extreme high density effect
- Matte, translucent finish
- Extreme stretchability
- Drag-free, non-tacky hand
- Super-soft hand feel

PRINTING TIPS

- Use 3-5 parts Libra™ Silicone Catalyst and 2-4 parts Libra™ Silicone Retardant to 100 parts Libra™ High Density Base. Libra™ Silicone pigments or special effect powders can be added up to 20 parts. Mix well and print. To prevent wastage only catalyze what is need to print for 4 hours.
- Colors should be made in accordance with Libra™ IMS Pantone® mixing system with a maximum of 20% pigment loading. Add Libra™ Clear Base (Matte or Gloss) to ensure crock performance is maintained.
- Use 86-160t/34-62t 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.polyone.com/zodiacinks/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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