



RECOMMENDED PARAMETERS

Fabric Types

100% Polyester and Poly/Cotton blended fabrics



Mesh

Count: 80-160t/in (31-62t/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: 40 micron



Flash & Cure

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



Pigment Loading

Not recommended



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 or contact your local CSR












Libra™ Barrier Black system is a medium viscosity clear Part A base (LIB0996) mixed with black Part B pigment (LIB0997) to provide an excellent anti-migration underbase. The ink is used at a ratio of 80:20 Clear Part A : Black Part B with excellent adhesive and dye blocking properties while maintaining a super-soft flexible hand.



HIGHLIGHTS

-  Satin finish
-  Super-soft hand feel
-  Extreme stretchability
-  Non-tacky hand


PRINTING TIPS

-  Use 3-5 parts Libra™ Catalyst and 0.5-2 parts Libra™ Retardant to 100 parts 80:20 base/pigment. Mix well and print. To prevent wastage only catalyze what is need to print for 4 hours.
-  For improved adhesion on difficult fabric, use 6 parts Libra™ Catalyst and 0.5 parts Libra™ Retardant to 100 parts Barrier Clear Part A. Print through 80-110t/in (31-43 t/cm) mesh screen then follow with the standard barrier formula described above.
-  Use 80-160t/in (31-62t/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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