

TECHNICAL DATA SHEET

SHORT DESCRIPTION:

.357 Series are universal inks for screen printing virtually any fabric. However, preventing dye migration on tricky 100% polyester is its specialty. Considering its coverage and bleed resistance, .357 Series has a great feel and good flexibility.

QUICK SPECIFICATIONS:



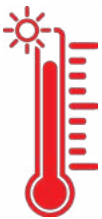
MESH COUNT
86 to 158

This is simply a recommendation based on printing difficult fabrics such as 100% polyester. Preventing dye migration requires a generous ink deposit. However, .357 Series will print through finer mesh with ease.



FLASH CURE
4/5: Quick

The rating of **QUICK** implies a flash cure performance faster than most plastisol inks. Due to the great number of variables involved, we cannot specify a specific flash time or temperature. However, this ink should flash dry much quicker than general purpose ink.



INK CURING
320°F to 330°F

Washing and drying your prints to check durability is the ultimate test of ink curing. However, the use of Thermolabels is the most sensible method of testing for your day-to-day operations. This will help you prevent cracking, peeling, and washout.



SQUEEGEES
70 Durometer

Squeegees are one of many variables controlling your ink deposit. Softer squeegees are capable of printing thicker while hard squeegees allow for better print resolution. 60 durometer is soft. 70 durometer is medium. 80 durometer is hard.



CLEAN UP
PW-4 or IR-26

Many cleaning products will remove plastisol ink. We recommend SaatchiChem PW-4 for cleaning on-press. The IR-26 is ideal when cleaning in a washout booth. Cleaning the ink out of the screen immediately after printing is always recommended.



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.357 SERIES BENEFITS:

- Best opacity and bleed resistance at high temperatures (320°F cure temperature).
- Very soft and flexible compared to other super-opacity inks.
- Great for numbering presses where a special underbase ink is not possible.
- Combine with ELT Digital Black Underbase for a virtually bleed-proof print.
- Awesome opacity through fine mesh counts.

IDEAL CURING GUIDELINES:

Cure .357 Series at the temperatures listed below (measure with a Thermolabel). Curing is a time and temperature process. A lower temperature with a slower belt speed is always the best method.

100% Cotton	Poly/Cotton	Polyester	Nylon/Stretch	100% Nylon	Polypropylene	Rayon
320°F	320°F	320°F	320°F*	320°F	X	X

*.357 Series has good flexibility. However, when printing any spandex or lycra blend, adding S-Additive is highly recommended. 10% S-Additive to 90% ink is the recommended mixing ratio. Never exceed 15% S-Additive into any ink.

TIPS AND TRICKS:

- If you are not achieving the opacity you would expect from one of our top inks, consider changing emulsion or increasing the number of coats.
- On sublimated polyester such as digital camo, always print the ELT Digital Black Underbase first to prevent dye migration.

Always perform a pretest print and test cure conditions on the fabric to be printed to establish the best results. Stir inks vigorously before each use. Viscosity may need adjusting for best results. If there is ever a question about a print job, call us at 800-942-4447. We are always happy to help!