



Liberty Holdings

Hardware



FAHRENHEIT



Warehouse Address: 5308 Irwindale Avenue, Irwindale, CA 91706

Printer Services Information

If you need printing services, there is a printer close to our warehouse (address above) that will pick-up orders from our warehouse for free and ship to you or your customer. They are familiar with our product materials and printing on all of our items. See below for contact information to request a quote and setup an account:

TN Printing Pro
sales@tnprintingpro.com
626-575-7540
South El Monte, CA 91733

We are a bag manufacturer and do not offer printing services. TN Printing is not owned by Liberty Bags and is its own entity. They have been printing for our customers for over 15 years.

Suggested Printing Instructions

Sublimation Products

- Sublimate at 400 F for 30 seconds as a starting point
- Everyone's equipment and environment are a little different and will affect the printing so need to start there and adjust as needed.

PVC Plastic/Clear Bags

INK

- *Plastisol Ink (see below note)
- Plastic Ink

DRYER SETTING

- *Plastisol Ink (see below note) – 275°F cure time
- Plastic Ink – Air Dry

600D Polyester

INK

- PA series from Nazdar
- *Plastisol Ink (see below note)

DRYER SETTING

- PA series - Air dry for 8 hours.
- *Plastisol Ink (see below note) - 250°F heat dry 15 seconds + air dry for 15 minutes
- Dye sublimation OK – use 300°F and 10-15 second press

OTHER RECOMMENDATIONS

- Keep heat under 375°F and keep the heating time less than 30 seconds per press. If more heat is needed, the operator can simply press multiple times

Liberty Bags is a blank distributor and is providing the above information as a “**reference guide only**”. Actual temperatures, drying times, inks, or other elements of the printing process might vary based on equipment, location, or any other number of factors. Liberty Bags is happy to provide a sample swatch book of our material to run tests on prior to printing. Liberty Bags assumes no liability for providing the above information, misprinting, or improper packing and shipping of printed items. For a swatch book print sample test kit, please email libertybags@gl2p.com.



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High Density Neoprene

INK

- *Plastisol Ink (see below note)

DRYER SETTING

- Standard 320°F

OTHER RECOMMENDATIONS & NOTES

- Printing with White Poly Ink is recommended to avoid sublimation.
- Heat seal or silk screen is fine.

Embroidery

- Use a clamp vs. a hoop to avoid leaving any permanent impression.

210 Denier Nylon & 70 Denier Nylon

INK

- Nylon Ink

DRYER SETTING

- 325°F with a belt speed that allows 15 seconds of drying under the elements

Heavyweight Polypropylene

INK

- *Plastisol Ink (see below note) such as IC Coatings 900 series. No additives

DRYER SETTING

- Black: use 245°F with a belt speed that allows 12-15 seconds of drying under the elements
- All other colors: 285°F with a belt speed that allows 12-15 seconds of drying under the elements.

Cotton Canvas

- *Plastisol Ink, 350°F cure time

Vinyl Transfers

HEAT SETTING

- 350°F with one 5 second pass; if needed hit a second time with a 5 second pass.

**Temperatures and requirements vary by brand – please contact the manufacturer of the vinyl transfer for more information.*

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Foam Can Holders

INK

- PA series from Nazdar
- *Plastisol Ink (see below note)

DRYER SETTING

- PA series - Air dry for 8 hours.
- *Plastisol Ink (see below note) - 250°F heat dry 15 seconds + air dry for 15 minutes

Twill Aprons 70%polyester/30% cotton

INK

- *Plastisol Ink (see below note)

DRYER SETTING

- Standard 350°F, 20 seconds dry time

Liberty Bags Metallic Coated Bags

INK

- Nazdar 59000 Series Enamel Ink
- 1 color imprint only

DRYER SETTING

- For metallic bags, air dry only

Chill Towels

INK

- *Plastisol Ink (see below note)

DRYER SETTING

- Specific temp to dry at: 350 degrees

General Tips & FAQ

- To prevent the handles from burning, please keep the handles inside the bag.

**Plastisol is a suspension of PVC particles in a plasticizer; it flows as a liquid and can be poured into a heated mold. When heated to around 177°Celsius, the plastic and plasticizer mutually dissolve each other. On cooling the mold below 60°C, a flexible, permanently plasticized product will result.*

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