



WILFLEX® GENESIS INKS

DESCRIPTION

Wilflex Genesis (GNS) plastisol inks are specifically formulated for high productivity wet-on-wet printing. Although most Genesis inks are opaque, optimum opacity is achieved with Genesis Super inks. Genesis inks have excellent resistance to build-up. Genesis inks also may be used to print conventional cold-peel transfers. 10540GNS Genesis Base and 10680GNS Genesis Plus Base have similar print characteristics, but 10680GNS offers a matte finish and more opacity.

PRINTER'S PARAMETERS

Substrates	100% cotton, cotton blends, polyesters, some nylon (generally open weave or mesh types) as well as other synthetics
Bleed resistance	None, use BR underbase white
Mesh (on darks)	86-120 t/in (34-49 t/cm)
Mesh (on lights)	110-280 t/in (49-110 t/cm)
Mesh (fine line)	230-305 t/in (90-120 t/cm)
Gel temp	230 F (110 C)
Cure temp	320 F (160 C) entire film
Transfer temp	350 F (177 C)
Extender	Up to 20 percent (by weight) 10150FNS Finesse
Reducer	Up to 5 percent (by weight) Curable Reducer #10070
Caution	The viscosity of GNS inks is designed to enhance opacity and printability. Any alteration of viscosity should be minimized.
Storage	65-90 F (18-32 C). Avoid direct sun. Use within one year of receipt.
Wash-up	Wilflex Screen Wash
Health & Safety data	Available upon request

FEATURES

- Build-up resistant for high productivity printing
- Creamy, printable
- Choice of opacity and finishes in the Genesis family
- Use to print direct or cold-peel transfers

BASES

- 10000GNS Half Tone Base
To be used for Process colors or high-level fluorescent colors
- 10540GNS Genesis Base
High productivity wet-on-wet printing, moderate gloss
- 10680GNS Genesis Plus Base
Similar to 10540GNS base, matte finish, more opaque, creamy in bucket

SPECIAL RECOMMENDATIONS

- For bleed resistance, an underbase white, such as Athletic Trophy White, Bright Tiger or Xtreme White is suggested. Olympia Plus white can be used as an underbase for 100 percent cotton fabrics.
- For cold-peel transfers, use release paper.
- Glow-in-the-dark **Genesis Phosphorescent 99900GNS** is available. For best results, this product should be printed on white or light-colored substrates or over a white base plate. Print using meshes 60-140 t/in (24-55 t/cm).
- Perform fusion tests before production. Failure to cure ink properly can result in poor wash fastness, inferior adhesion, unacceptable durability, and increased likelihood of dye migration. Testing procedures for plastisol fusion are outlined in the User's Manual.
- Stir plastisols prior to printing.
- Do not dry clean, bleach or iron the printed area.
- Any application not referenced in this product information bulletin should be pre-tested or consultation sought with Wilflex Technical Services Department prior to printing (US - 800-735-4353).

Effective 02/23/2001. Not all Wilflex products are available in every country. The information in this publication is based on information and experience believed reliable. Since many factors may affect processing for an application, processors must carry out their own tests and experiments to confirm suitability for intended use. You must make your own determination of suitability for your intended use and environmental acceptability, the safety and health of your employees, and purchasers of your product.

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