# 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

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| **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).