

C Genesis Process Color Sets

Wilflex Genesis Process colors are formulated to achieve the cleanest, highest intensity colors for textile printing. These pure, transparent colors are designed for high productivity, direct wet-on-wet printing. Excellent resistance to build-up, superb printability, extremely soft hand and minimal dot gain.

Highlights

- ▶ Compliant with CPSIA (Consumer Product Safety Improvement Act) 2008
 - ▶ Section 101, Lead Content in Substrates (<300 ppm lead);
 - ▶ 16 CFR, Part 1303, Lead in Paint (<90 ppm lead).
- ▶ **Genesis Standard Process Color Set Includes:**
 - ▶ 19850GNS Process Black
 - ▶ 13850GNS Process White
 - ▶ 49850GNS Process Magenta
 - ▶ 69850GNS Process Cyan
 - ▶ 89850GNS Process Yellow
- ▶ **Genesis Standard Process Tone Set Includes:**
 - ▶ 49855GNS Process Tone Magneta
 - ▶ 69855GNS Process Tone Cyan
 - ▶ 89855GNS Process Tone Yellow
 - ▶ Use with 19850GNS Process Black, 13850GNS Process White
- ▶ **ProMatch Set Includes:**
 - ▶ 19854GNS Black
 - ▶ 49854GNS Magenta
 - ▶ 69854GNS Cyan
 - ▶ 89854GNS Yellow
- ▶ Designed for printing on light colored fabrics.
- ▶ Can be printed on top of an appropriate underbase white, such as 11335WHT Sprint White or 11835HT Quick White.

Printing Tips

- ▶ Use a separator who specializes in the textile screen print industry.
- ▶ Use consistent, high tensioned screen mesh to optimize performance properties.

Precautions

- ▶ Perform fusion tests before production. Failure to cure ink properly may result in poor wash fastness, inferior adhesion and unacceptable durability. Ink gel and cure temperatures should be measured using a Thermoprobe placed directly in the wet ink film and verified on the production run substrate(s) and production equipment. It is the responsibility of the printer to determine that the correct ink has been selected for a specific substrate and the application processes meet your customer's standards or specifications.
- ▶ Wilflex products have been carefully designed to perform within a given viscosity range and any dramatic change in viscosity may result in a change in printing characteristics.
- ▶ Stir plastisols before printing.
- ▶ Do not dry clean, bleach or iron printed area.
- ▶ Any application not referred in this product bulletin should be pre-tested or consultation sought with Technical Services Department prior to printing.
- ▶ Email: techserviceswilflex@polyone.com

Related Products

- ▶ 10075IS Superguard HT

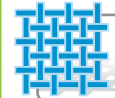
Printing Parameters

Opacity n/a
Bleed Resistance n/a
Smooth Surface n/a
Flash 5 |||||
Gloss n/a
Printability 9 |||||



Fabric Types

100% Cotton, cotton blends, all-white grounds.



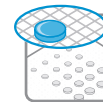
Mesh

Counts: 305-355 t/in (120-140 t/cm) recommended
 Tension: 25-35 n/cm² recommended



Squeegee

Durometer: 70/90, 70/90/70
 Edge: Sharp
 Stroke: Fast
Avoid excess pressure



Stencil

Direct: 2 over 2
 Capillary/thick film: N/A
 Off contact: 1/16"



Gel/Cure Temperatures

Gel: 220 F (104 C)
 Cure: 320 F (160 C) Entire film



Pigment Loading

N/A



Additives

Extender: 10% max - 10150FNS Finesse
 Reducer: Not recommended



Storage

65°-90°F (18°-32°C)
 Avoid direct sun.
 Use within one year of receipt.



Clean Up

Wilflex screen wash



Health & Safety

MSDS: www.polyone.com