

Synergy Inks

NexGen Black^{1.0}

Phthalate-Free Plastisol Ink

Product Data Sheet



Composition

- Phthalate-Free – does not contain phthalates
- 100% solids – does not contain solvents

Product Features

- Can be printed first-down, before white, without flashing
- Holds halftones/detail while printing solid areas on same screen
- Flat finish – no gloss
- Channel Black – no brown cast
- Holds ultra clean dots up to 120 LPI halftones
- Softest hand with a smooth, dry finish
- Clears mesh with min squeegee pressure

Surface & Appearance

- | | |
|----------------|--|
| ➤ Gloss | No Gloss – Matte Finish |
| ➤ Hand | Smooth & soft – mistaken for Water-Based |
| ➤ Fibrillation | Negligible – almost zero |
| ➤ Matte Down | Excellent bridging & fiber coverage |
| ➤ Smoothness | Smooth surface – especially printed at hi-speeds |

Thermal Properties

Thermally, NexGen Black will perform at or near traditional plastisol inks. Flash time & temperature and cure time & temperature should be comparable to your current settings.

In all cases, you may want to optimize times and temperatures based on your inks, deposit, & ambient temperature. Minor changes may be required for optimal times/temperatures.

NexGen Black will provide maximum durability and exceptional washability.

Application Guidelines

- Always stir ink prior to putting in the screen
- Build-up: Minimal under typical printing parameters. Extreme environmental conditions may compromise build-up resistance, however NexGen Black is designed to minimize build-up under all conditions.

For more information on build-up go to our FAQ page at:
www.synergyinks.com/faq.aspx

- Stroke Speed: Maximum stroke speed is recommended for highest quality print

For more information on the advantages of print speed go to our FAQ page at:
www.synergyinks.com/faq.aspx

- Clearing: Clears mesh cleanly and at minimal squeegee pressure
- Squeegee pressure: Use minimum pressure required to clear the mesh
- Mesh Counts: NexGen Black prints on all industry typical mesh counts (60-420)
- Squeegee Blade: NexGen Black can be printed with most industry typical squeegee blade durometers & configurations. As always, one should select the proper blade to work with the mesh, print at maximum speed, and provide the required deposit, detail, and opacity for the application.

Restrictions

- Not for use on heat transfers
- Not intended for use on highly elastic synthetic garments
- Do not add any reducers or additives except Synergy MAGIC
- No Dry Cleaning
- No ironing
- Store ink in a cool environment