

## 1117PFW Epic PolyWhite

Wilflex™ Epic PolyWhite is a non-phthalate plastisol ink designed to print onto 100% polyester and polyester blended fabrics. Epic PolyWhite is specially formulated to provide excellent bleed resistance, high opacity, and good coverage.



### Highlights

- ▶ Odorless.
- ▶ Excellent bleed resistance.
- ▶ High opacity, good coverage.
- ▶ Fast flashing.
- ▶ Use as a first-down, underbase flash white or an overprint stand-alone white.



### Printing Tips

- ▶ Use consistent, high-tensioned screen mesh to optimize performance properties.
- ▶ To optimize bleed resistance, set the dryer belt at the highest possible speed while still ensuring that the ink film reaches 300°F (150°C). This ensures that the ink's heat exposure is minimal.
- ▶ Suggestions for automatic printing: Print 130 mesh screen - Flash - Print 86 mesh screen. Use minimal pressure on first print.
- ▶ To increase production speeds, use finer mesh counts for the flash plate to decrease gel time. Set flash dwell times on heated pallets to simulate production. Adjust your settings so that the ink is just dry to the touch.
- ▶ Polyester fabrics are likely to have dye migration issues. To determine a material's bleed potential, please reference the testing procedures outlined in the Wilflex User's Manual.



### Compliance

- ▶ Non-phthalate.
- ▶ For compliance certifications, please visit [www.wilflex.com/technical](http://www.wilflex.com/technical).



### 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.
- ▶ Pretest on light-colored or stonewashed garments. Avoid stacking printed garments while hot because such colors are more prone to color distortion (ghosting). Fabric and dye characteristics can vary between manufacturers and dye lot.
- ▶ Avoid over flashing as it can result in poor intercoat adhesion of colors.
- ▶ Stir plastisols before printing.
- ▶ Do not dry clean, bleach or iron printed area.
- ▶ **NON-CONTAMINATION OF EPIC INKS:** Do not add or mix non-Epic inks, additives or extenders with Epic inks. All buckets, palette knives, stirring apparatus, squeegees, flood bars and screens must be cleaned properly and free of phthalates and pvc containing inks. Non-phthalate emulsions and pallet adhesives must be used. Failure to follow these precautions may cause phthalate contamination in violation of consumer protection laws and regulations.
- ▶ Any application not referred in this product information bulletin should be pre-tested or consultation sought with Wilflex Technical Services Department prior to printing.
- ▶ Email: [techserviceswilflex@polyone.com](mailto:techserviceswilflex@polyone.com)

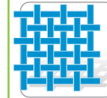
Opacity	9	
Bleed Resistance	9	
Smooth Surface	9	
Flash	7	
Gloss	5	
Printability	5	

\*Values listed 1-9, with 9 being the best rating.



### Fabric Types

100% cotton, cotton blends, 100% polyester



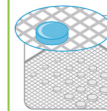
### Mesh

Counts: 86-230 t/in (34-91 t/cm)  
Tension: 25-35 n/cm<sup>2</sup>



### Squeegee

Durometer: 60-70, 60/90/60  
Edge: Square, Sharp  
Stroke: Hard flood, Fast stroke  
*\*Do not use excess squeegee pressure.*



### Non-Phthalate Stencil

Direct: 2 over 2  
Capillary/Thick Film: N/A  
Off Contact: 1/16" (.2cm)



### Flash & Cure Temperatures

Flash: 220°F (104°C)  
Cure: 300°F (150°C)



### Pigment Loading

EQ: N/A  
MX: N/A  
PC: N/A  
*\*All percentages listed at % by weight.*



### Epic Additives

Extender: N/A  
Reducer: Epic Viscosity Buster-1% max  
*\*All percentages listed at % by weight.*



### Storage

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



### Clean Up

Ink degradant or press wash.



### Health & Safety

MSDS: [www.polyone.com](http://www.polyone.com) or  
Contact your local CSR.