

## C 11480HT Bright Tiger

Wilflex™ Bright Tiger is an extremely true, optically bright white ink formulated to give excellent printability across a range of screen printing applications. Bright Tiger's excellent opacity, fiber mat down, low gloss level, and good flash properties permit it to be utilized as both a stand-alone and an underbase white.

### 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).
- ▶ For use on cotton and cotton blends
- ▶ Optically bright white
- ▶ Opaque
- ▶ Good Flash Properties
- ▶ Matte finish
- ▶ Prints through fine meshes
- ▶ Use as a first-down, underbase flash white or an overprint stand-alone white.
- ▶ Good bleed resistance
- ▶ Odorless



### Printing Tips

- ▶ For best results, follow the recommended Printing Parameters.
- ▶ For one-hit opacity through coarse meshes, use a coating procedure that builds a thick, even stencil to ensure a good column height of ink.
- ▶ Avoid excessive squeegee pressure.
- ▶ Due to differences in power, height above ink film and efficiency of the flash drying unit, specific dwell time cannot be given
- ▶ 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.
- ▶ 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.
- ▶ Pre-test on light colored or stone washed garments. Avoid stacking printed garments hot because such colors are more prone to color distortion. Fabric and dye characteristics can vary between manufacturers and from dye lot to lot.
- ▶ Avoid over flashing as it can result in poor inter-coat adhesion of colors.
- ▶ Avoid polyester-based fabrics where dye migration will occur.
- ▶ Reducing viscosity will adversely affect opacity.
- ▶ 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](mailto:techserviceswilflex@polyone.com)

## Printing Parameters

<b>Opacity</b>	8	
<b>Bleed Resistance</b>	8	
<b>Smooth Surface</b>	8	
<b>Flash</b>	9	
<b>Gloss</b>	4	
<b>Printability</b>	9	



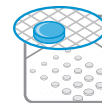
**Fabric Types**  
100% cotton, cotton blends, some synthetics



**Mesh**  
Counts: Darks - 86-125 t/in (34-48 t/cm)  
Underbase - 140-230 t/in (55-90 t/cm)  
Fine Line - 195 to 305 t/in (77-120 t/cm)  
Tension: 25-35 n/cm<sup>2</sup> recommended



**Squeegee**  
Durometer: 60-90, 70/90, 70/90/70  
Edge: Rounded for coarse mesh, Sharp for finer mesh  
Stroke: Hard flood, fast print  
Avoid excess pressure



**Stencil**  
Direct: 2 over 2  
Capillary/thick film: N/A  
Off contact: 1/16" (.2 cm)



**Gel/Cure Temperatures**  
Gel: 160-180 F (71-82 C)  
Cure: 320 F (160 C) entire film



**Pigment Loading**  
N/A



**Additives**  
Extender: None recommended  
Reducer: 3% max by weight  
10025VB QEC Viscosity Buster.



**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](http://www.polyone.com)