

# Excalibur

Technologically Superior Ink



## 581PF SERIES – Arctic White

581PF Series Arctic White is Excalbur's premium white plastisol ink for printing on 100% cotton garments. The special optical brightener formulated into Arctic White gives the finished print an extremely bright white appearance. Because Arctic White contains no blowing agents it gives prints a smooth surface and provides excellent results for use as an underbase, stand-alone or highlight white. Arctic White is the best choice for use as an underbase or highlight white in simulated process designs.

### FEATURES AND BENEFITS

- High-opacity fast-flashing ink for manual and automatic presses.
- Creamy, easy-printing consistency produces sharp prints through high-mesh counts.
- Brilliant white ink for optimum brightness.
- Completely phthalate-free and lead-free formulation complies with all standards of Consumer Product Safety Improvement Act (CPSIA) banning phthalates and heavy metals in textile-printing inks.

### TECHNICAL INFORMATION

**Gel Temperature:** Ink will surface gel at 240° F (116° C).

**Curing:** Prints will fully heat cure when the entire ink film reaches 320°F (160°C).

**Heat Transfers:** Arctic White may be used in printing cold peel transfers.

**Mesh:** For direct printing a 40-305/inch (16T-122Tcm) may be used. For printing heat transfers an 80-125/inch (32T-50T cm) provides excellent results.

**Stencil:** Any stencil compatible with plastisol inks may be used.

**Modification:** Because plastisol inks are thixotropic and can body up during storage always stir ink thoroughly prior to print or adding reducers. If necessary 501PF Curable Reducer may be added increase printability of ink and to help clean from the screen. CAUTION: Adding too much 501PF Curable Reducer will reduce opacity and bleed-resistance.

**Squeegee:** 70 durometer or 90/70/90 triple durometer blades are recommended.

**Printing Techniques:** A print/flash/print technique may be necessary to produced desired results on dark garments.

**Clean-up:** Use Enviro Series 2000 Green or Enviro Series TR Blend.

### CAUTION

Always test finished prints for curing, adhesion and desired look prior to beginning full production runs. Lancer Group International cannot guarantee the results or back claims that this mixed ink will test phthalate-free if any additive other than an additive manufactured by Lancer Group International is used to modify this ink. Test results by a third-party laboratory verifying all components used to produce this ink are phthalate-free and lead-free are available upon request.



Lancer Group International  
Head Office  
311 Saulteaux Crescent  
Winnipeg, MB, Canada  
R3J 3C7  
Tel: 1-204-885-7792  
Fax: 1-204-831-0426  
Email: lgsales@lancergroup.com

Excalibur Inks Americas  
PO Box 344  
Holly Springs, GA 30142  
Tel: 1-404-590-2021  
Skype Name jeffproctor  
jeff.proctor@comcast.net

Lancer Group Far East Ltd.  
Rm 35, 11/FI., 19~21 Shing Yip St.  
Shing Yip Industrial Bldg.  
Kwun Tong, Kowloon  
HONG KONG  
Tel: (852) 2341 7986  
Fax: (852) 2790 9532  
Mobile: (852) 9687 8840

For more information about this product, please visit us online at [www.lancergroup.com](http://www.lancergroup.com) or send us an email to [lgsales@lancergroup.com](mailto:lgsales@lancergroup.com)