



TECHNICAL DATA SHEET

Direct To Film Textile Inkjet Inks

Product Code(s): WB.DTF.1000, WB.DTF.2000, WB.DTF.3000, WB.DTF.4000,
WB.DTF.5000

APPLICATIONS

- ◆ Inkjet DTF Inks compatible for inkjet printers with Epson DX Series printheads

PRODUCT DESCRIPTION

Our Direct to Film Textile Inkjet inks are designed specifically for DoD applications and come in 5 colors; Cyan, Magenta, Yellow, Black and White that have low odor, good storage stability, excellent color properties that produces impeccable images on multiple substrates such as; cotton, polyester, leather, cardboard, aluminum.

PHYSICOCHEMICAL PROPERTIES

Property	Unit
Type	Aqueous pigment-based textile inks
Form	Liquid
Odor	Low
Viscosity, cps @25°C	4.0cps±0.5
Surface Tension @25 °C	30±3 dynes/cm
pH	9.0±0.5
Particle Size Distribution for CMYK	D10: 50-80nm D50: 80-200nm D95: 250-350nm D99.9: 350-500nm
Particle Size Distribution for White	D10: 100-110nm D50: 2000-250nm D95: 250-350nm D99.9: 350-500nm

NVC	15-40%
Specific Gravity	1.05-1.250

APPLICATION PROCESS

Design – Create your own design using your favorite graphic design software (i.e., Photoshop, Illustrator, Corel Draw, etc.)

Print – Print your design on our two-sided cold peel. Depending on the printer used, it will print the colors first, then a white top layer that serves as the base layer on the shirt.

Apply – Apply the powder adhesive evenly onto the printed film. Shake off any excess and store them for later use.

Bake – Melt the adhesive to the film using a heat press or oven. Hover the heat press platen on top of the adhesive to ensure even heat throughout at a temperature of 300-325 F.

Press – Press your design onto a substrate like a t-shirt. Applicable on cotton, polyester, leather, cardboard, aluminum, and other flat rough, and rigid materials.

Notes: Properties reported here are typical of average lots. STS INKS makes no representation that the material in any particular shipment will conform exactly to the values given.

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