

DuPont™ Artistri® P6000 Series Ink

Direct to Garment Pigment Ink

This ink is specially developed for direct-to-garment digital printing on cotton or cotton rich blends for a wide variety of apparel and specialty applications.

The brilliant aqueous-based ink is designed to work in printers with high-viscosity piezo-electric printheads and is suitable for high quality sampling, strike offs, and production printing.

Application Properties

DuPont Artistri® P6000 Series Ink is formulated with proprietary DuPont dispersion and polymer technology and is compatible with industry standard heat tunnel for drying and curing.

The ink and pretreatment are integrated into a matched system that works together for optimum throughput and results.

Printhead Compatibility

DuPont Artistri® P6000 Series Ink is compatible with the following industrial piezo-electric printheads:

- Ricoh Gen 4 (MH2420)
- Ricoh Gen 4L (MH2620/MH2820)
- Ricoh Gen 5E (MH5421/MH5441)
- Ricoh Gen 5F (MH5421F)
- Ricoh GH2220

Commercial Supply

DuPont Artistri® P6000 Series Ink ink is supplied in 2 liter bottles, 2x10 liter bottles or 200 liter drums.

Available only to Authorized Distributors of DuPont™ Artistri® Ink.

Storage**

The ink should be stored in a clean, dry area with temperature controlled between 10 – 40 °C (50 – 104 °F).

Ink Color and Product Numbers

Ink Color	Product Number
Cyan	P6100
Light Cyan	P6150
Magenta	P6200
Warm Magenta	P6210
Light Magenta	P6250
Yellow	P6310
Black	P6400
Red	P6500
Orange	P6600
Green	P6750
White	P6900
Pretreatment* for dark/colored knit cotton	P5003
Pretreatment for white knit cotton	P5010

*Pretreatment for use only with Color P6900 White Ink.



DuPont™ Artistri® P6000 Series Ink

Direct to Garment Pigment Inks

Ink Type

DuPont Artistri® P6000 Series Direct to Garment Pigment Ink

Print Resolution

600 x 900 dpi, 100% Ink Coverage

Fabric Type

Dark/Colored Knit Cotton

Pre-Treatment

DuPont™ Artistri® P5003

The following data represents results of internal testing performed with the specified ink, fabric and print resolution. Results in actual end uses may vary, depending upon the particular conditions of use.

Test Name	Test Number ID / Curing Method	Cyan P6100 ■	Magenta P6200 ■	Yellow P6310 ■	Black P6400 ■	White P6900 □
Wash Fastness over white base	ISO 105-C06					
	Heat Press	4.5	4.5	4	3	
	Tunnel Dryer	4	4.5	4	4.5	
Light Fastness	ISO 105 B-02	8	5	6	8	
White Point (L* White Ink)	Spectral Measurement					
	Heat Press					94
	Tunnel Dryer					94
Acid Perspiration	ISO105-E04					
Shade Change	Heat Press	4.5	4.5	4.5	4	
Color Transfer	Heat Press	5	4.5	5	4.5	
Shade Change	Tunnel Dryer	4.5	4.5	4.5	4.5	
Color Transfer	Tunnel Dryer	5	5	5	3.5	
Alkali Perspiration	ISO 105-E04					
Shade Change	Heat Press	4	4	4.5	3.5	
Color Transfer	Heat Press	5	4.5	5	4.5	
Shade Change	Tunnel Dryer	4.5	4	4.5	4	
Color Transfer	Tunnel Dryer	4.5	4.5	5	3	

DuPont™ Artistri® P6000 Series Ink

Direct to Garment Pigment Inks

Ink Type

DuPont Artistri® P6000 Series Direct to Garment Pigment Ink

Fabric Type

White Knit Cotton

Print Resolution

600 x 900 dpi, 100% Ink Coverage

Pre-Treatment

DuPont™ Artistri® P5010

The following data represents results of internal testing performed with the specified ink, fabric and print resolution. Results in actual end uses may vary, depending upon the particular conditions of use.

Test Name	Test Number ID/Curing Method	Cyan P6100 ■	Magenta P6200 ■	Yellow P6310 ■	Black P6400 ■
Wash Fastness	ISO 105-C06				
	Heat Press	4.5	2.5	4	4
	Tunnel Dryer	4.5	3.5	4	4.5
Light Fastness	ISO 105 B-02	5	3	5	8
Acid Perspiration	ISO105-E04				
	Shade Change	Heat Press	4.5	4.5	4.5
Color Transfer	Heat Press	4.5	4.5	4.5	4.5
Shade Change	Tunnel Dryer	5	4	4.5	4
Color Transfer	Tunnel Dryer	4.5	4.5	4.5	4.5
Alkali Perspiration	ISO 105-E04				
	Shade Change	Heat Press	4.5	4.5	5
Color Transfer	Heat Press	4.5	4.5	4.5	4.5
Shade Change	Tunnel Dryer	4.5	4.5	4.5	5
Color Transfer	Tunnel Dryer	4.5	4.5	4.5	4.5

DuPont™ Artistri® P6000 Series Ink

Direct to Garment Pigment Inks



[Artistri.DuPont.com](https://www.Artistri.DuPont.com)

For more information on DuPont™ Artistri® or other DuPont products, please visit our website.

The information provided in this data sheet corresponds to our knowledge on the subject at the date of its publication. It may be subject to revision as new knowledge and experience becomes available. This information is not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. Since we cannot anticipate all variations in end-use and disposal conditions, DuPont makes no warranties and assumes no liability in connection with any use of this information. It is intended for use by persons having technical skill, at their own discretion and risk. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right.

DuPont™, the DuPont Oval Logo, and all products, unless otherwise noted, denoted with ™, SM or ® are trademarks, service marks or registered trademarks of affiliates of DuPont de Nemours, Inc. Copyright © 2023 DuPont de Nemours Inc. All rights reserved.

DI-NA0032-EN-PDS (09/23)