

DuPont™ Artistri® Ink — P5000+ Series

Product Data Sheet

This ink is specially developed for direct-to-garment or roll-to-roll 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 low-viscosity piezo-electric printheads and is suitable for high quality sampling, strike offs, and production printing.

The ink set includes cutting edge white ink — available only from DuPont.

Application Properties

P5000+ series ink is formulated with the same colorants used in conventional textile printing and meets industry standard performance.

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

Commercial Supply

Twenty liter pails.

Available only to Authorized Distributors of DuPont™ Artistri® P5000+ ink.

Storage*

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

* For Artistri® P5910 White Ink, please refer to Application Guideline K-15832, Storage and Handling of DuPont™ Artistri® P5910 White Ink.

Ink Color and Product Numbers

Ink Color	Product Number
 Cyan	P5100
 Magenta	P5200
 Yellow	P5300
 Black	P5400
 White	P5910
Pretreatment**	P5001

**Pretreatment for use only with Artistri® P5910 White Ink.

New & Improved

**To Deliver
Superior Wash Performance and
Improved Printability on a
Wider Range of Substrates**



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End Use Properties Data

Fabric Type: 100% Cotton; 50/50 Poly/Cotton without White Base Coat

Print Resolution: 720 x 720 dpi, 100% Ink Coverage

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.

Individual Ink Results

Test Name	Test ID Number	C P5100	M P5200	Y P5300	K P5400	W P5910
Wash Fastness (70°C):	Shade change AATCC 61 (ISO 105-C06)					
cotton		4.5/5.0	4.0/4.5	4.5/5.0	4.5/5.0	3.5/4.5
50/50 cotton/polyester		4.0/4.5	3.5/4.0	3.5/4.0	3.0/3.5	
to P5910 white ink		4.0/4.5	4.0/4.5	3.5/4.0	4.0/4.5	
Optical Density		1.1	1.02	1.14	1.18	N/A
L* on Black Cotton T-shirt 400% Coverage Pretreated with P5001 Pretreatment		N/A	N/A	N/A	N/A	>85
Light Fastness (Xenon Lamp 40 hr)	AATCC 16 (ISO 105-B02)	4.8	4.6	3.8	4.8	N/A
Light Fastness (Xenon Lamp 20 hr)	AATCC 16 (ISO 105-B02)	4.8	4.8	4	4.8	N/A
Wet and Dry Crockfastness Fused:	AATCC 8 (ISO 105-X12)					
cotton		3/4	3/4	2.75/3/75	2.5/4.5	3.5/4.5▲
50/50 cotton/polyester		3.25/4.25	3.25/4.25	3.25/4.0	2.5/4.5	
to P5910 white ink		2/4	3/4.5	2.25/4.5	2.25/4.5	

▲ P5910W Crock was measured using black cotton.

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The information has been carefully compiled from experience gained in the laboratory and under commercial conditions. However, the product's performance and its suitability for the customer's purpose depend on the particular conditions of use. We recommend that customers satisfy themselves that each product meets their requirements in all respects. This information is being provided by DuPont free of charge as a courtesy to DuPont's customers, and DuPont HEREBY DISCLAIMS ALL REPRESENTATIONS, WARRANTIES AND LIABILITIES WITH RESPECT TO THE INFORMATION AND USE THEREOF. Subject to change without notice. All sales are subject to our standard terms and conditions of sale.

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