

DuPont™ Artistri® Ink — A500 Series

Product Data Sheet

This ink has been specially formulated for digital printing on textile fabrics for printers with low-viscosity, piezo-electric printheads and it is particularly suitable for applications on silk, nylon, and nylon/elastane blends for sampling, strike-offs and short-run production printing.

Application Properties

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

Commercial Supply

Two-liter ink bottles

Storage

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

Ink Color and Product Numbers

Ink Color	Product Number
 Cyan	A573
 Magenta	A526
 Yellow	A551
 Black	A591
 Red	A542
 Blue	A580
 Orange	A537
 Brown	A565

End-Use Properties Data

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

Fabric Type: Nylon/Lycra®		Individual Ink Results							
Test Name	Test ID Number	C A573	M A526	Y A551	K A591	O A537	B A580	R A542	
Wash Fastness (5A)	AATCC 61 (ISO 105-C06)								
	shade change	2	3	4–5	5	4	1–2	4	
	color transfer								
	nylon	4	4	5	3	5	4	4	
	polyester	5	5	5	5	5	5	5	
Acid Perspiration	AATCC 15 (ISO 105-E04)								
	shade change	4	5	4–5	5	5	4–5	4	
	color transfer								
	nylon	3	4–5	4	4	4	5	5	
	polyester	5	4–5	5	5	5	5	5	
Alkali Perspiration	ISO 105-E05								
	shade change	4	5	5	5	5	4	4	
	color transfer								
	nylon	4	4–5	4	4	4	5	4–5	
	polyester	5	4–5	5	5	4	5	5	
Dry Crockfastness	AATCC 8 (ISO 105-X12)	3–4	5	5	4–5	5	5	4–5	
	Wet Crockfastness	AATCC 8 (ISO 105-X12)	2	5	4	4–5	5	4	4
	Lightfastness (20 hr)	AATCC 16 (ISO 105-B02)	2	3	4	5	4	1	4–5

End-Use Properties Data

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

Fabric Type: Silk		Individual Ink Results						
Test Name	Test ID Number	C A573	M A526	Y A551	K A591	O A537	B A580	R A542
Acid Perspiration	AATCC 15 (ISO 105-E04)							
	shade change	4	5	4	5	4	4-5	4
	color transfer							
	silk	4	4-5	5	4-5	4	4	4
	wool	4-5	5	5	5	5	5	5
Alkali Perspiration	ISO 105-E05							
	shade change	5	4	5	5	5	4-5	4
	color transfer							
	silk	3-4	4-5	4-5	4	3	5	2
	wool	4	5	5	5	5	5	5
Wet Crockfastness	ISO 105-X12							
	AATCC 8 (ISO 105-X12)	4	4-5	5	5	5	4-5	3-4
Dry Cleaning	AATCC 132							
	shade change						4	4
	color transfer							
	cotton	4-5	4-5	4-5	4-5	4	4-5	4-5
	wool	4-5	4-5	4-5	4-5	4	4-5	4-5

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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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