



DuPont™ Artistri® P5500 Series Ink

Direct to Garment Pigment Inks

DuPont™ Artistri® P5500 is a premium pigment textile ink 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 low-viscosity piezo-electric printheads and is suitable for high quality sampling, strike offs, and production printing.

Backed by more than 30 years of digital inkjet industry leadership, performance leader DuPont™ Artistri® P5500 also features world class ISO 9000:2015 certified production standards and DuPont's full process technical support.

Application Properties

DuPont™ Artistri® P5500 pigment ink is formulated with proprietary DuPont technology and is compatible with industry standard drying technologies. DuPont™ Artistri® P5500 pigment ink yields excellent color and fastness, and are applicable to both Direct To Garment (DTG) and Direct To Film (DTF) printing processes. Contact DuPont Technical Support for process recommendations.

Printhead Compatibility

DuPont™ Artistri® P5500 ink is compatible with the following piezo printheads:

- EPSON DX4
- EPSON DX5
- EPSON DX7
- EPSON i3200

Commercial Supply






DuPont™ P5500 Series ink is supplied in 2 liter bottles, 2x10 liter bottles, and 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	P5510
 Magenta	P5520
 Yellow	P5530
 Black	P5540
 White	P5590

DuPont™ Artistri® P5500 Series Ink

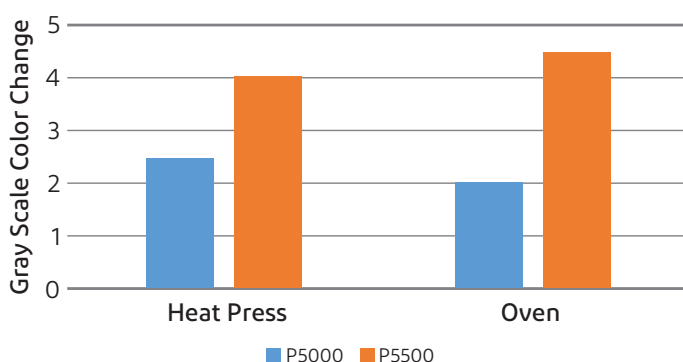
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P5500 vs. P5000

The DuPont™ Artistri® Brite P5500 Pigment ink set was formulated to surpass the first generation P5000 version in wash fastness, color saturation, and sedimentation performance. The inks were designed to achieve long term compliance with future regulations in mind. The following data shows results obtained with both inks.

The new P5500 pigment ink set has superior wash fastness, as seen in the chart below of showing the fading gray scale (ISO 105-C06) after 5x hot washes.

Wash Fastness



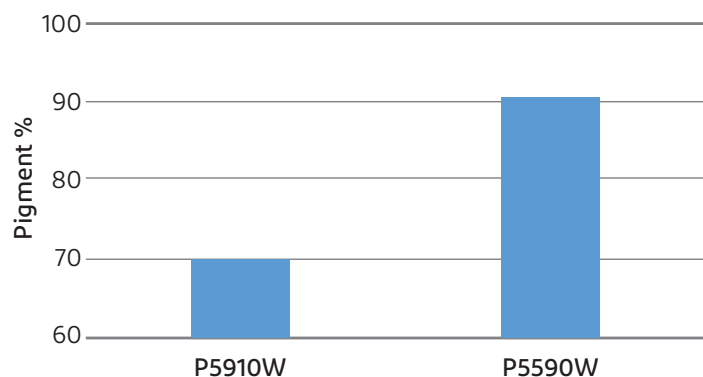
The gamut volumes of the two ink sets as well as the L* value of the white ink are shown in the table below. P5500 produces a larger color gamut with better white opacity.

Color Performance on Black Shirts with Heat Press Curing

	Gamut Volume	White L*
P5000	165,974	91.7
P5500	177,660	92.5

The dispersion technology used in the development of the DuPont™ Artistri® Brite P5590 white pigment ink results in a much softer settling as seen in the pigment % results shown below, produced after centrifugation and 10 min in an orbital shaker at 350 rpm.

Recovery After Centrifugation and Shaking



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

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