

DuPont™ Artistri® PN5000 Series Ink

Digital Inkjet Inks

DuPont™ Artistri® PN5000 is a premium pigment ink for commercial printers offering best in class color with deep, rich blacks and outstanding color saturation. Artistri® PN5000 the needs of quality conscious printers serving multiple market areas including, direct mail, transactional, books, stationery, newspapers and magazines.

Backed by more than 30 years of digital inkjet industry leadership, performance leader DuPont™ Artistri® PN5000 also features world class ISO 9000:2015 certified production standards and DuPont’s full process technical support.

Application Properties

DuPont™ Artistri® PN5000 pigment ink is formulated with proprietary DuPont technology and is compatible with industry standard drying technologies. DuPont™ Artistri® PN5000 pigment ink yields excellent color and permanence. Contact DuPont Technical Support for process recommendations.

Printhead Compatibility

DuPont™ Artistri® Xite PN5000 ink is compatible with the following piezo printheads:

- Kyocera KJ4B 600dpi 30 kHz & 40 kHz
- Kyocera KJ4B 300dpi
- Xerox Workhorse 1200dpi, 40kHz & 60kHz

Commercial Supply

DuPont™ Artistri® PN5000 is available in process colors (Cyan, Magenta, Yellow, Black, Orange and Green) and is packaged in 20-liter, pails, 200-liter drums or 1,000-liter totes.

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

Storage and Shelf Life

The ink should be stored in a clean, dry area, with temperature controlled between 10 – 40 °C (50 – 104 °F). The shelf life for these inks is 1 year from the date of manufacture.

Ink Color and Product Numbers

Ink Color	Product Number
Cyan	PN5010
Magenta	PN5020
Yellow	PN5030
Black	PN5040
Magenta	PN5020-R
Orange	PN5060
Green	PN5075

Applications

- Transactional, books, newspapers, direct mail.
- Printing on uncoated papers.

Product Features and Benefits

The PN5000 ink set uses DuPont proprietary ink formulation for:

- High optical density on a variety of uncoated and inkjet treated papers
- Large color gamut
- High image quality
- Reliable jetting sustainability
- Low frequency of maintenance intervals
- High durability on uncoated papers with minimal or no drying requirements

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

Optical Density

Printed on Kyocera KJ4B printhead, 600x600dpi resolution with Kyocera OEM waveform

Color readings with X-Rite Exact xp Pantone D50-2° Mo Filter 2mm aperture ColorCert ceramic white background

	Xerox Vitality			Mitsubishi DL9084			Accent Opaque (GSM 105)		
	Small	Medium	Large	Small	Medium	Large	Small	Medium	Large
■ PN5010 Cyan	0.71	0.85	0.96	0.76	1.03	1.19	0.69	0.78	0.84
■ PN5020 Magenta	0.79	0.97	1.13	0.80	1.04	1.23	0.73	0.83	0.90
■ PN5030 Yellow	0.73	0.83	0.89	0.78	0.94	1.01	0.70	0.78	0.81
■ PN5040 Black	0.98	1.17	1.30	0.93	1.27	1.46	0.92	1.11	1.20
■ PN5020-R Magenta	0.78	0.94	1.08	0.80	1.06	1.23	0.79	1.07	1.24
■ PN5060 Orange	0.79	0.92	0.99	0.85	1.10	1.22	0.75	0.84	0.89
■ PN5075 Green	0.75	0.88	0.96	0.76	1.03	1.15	0.74	0.86	0.91

(Typical Values)

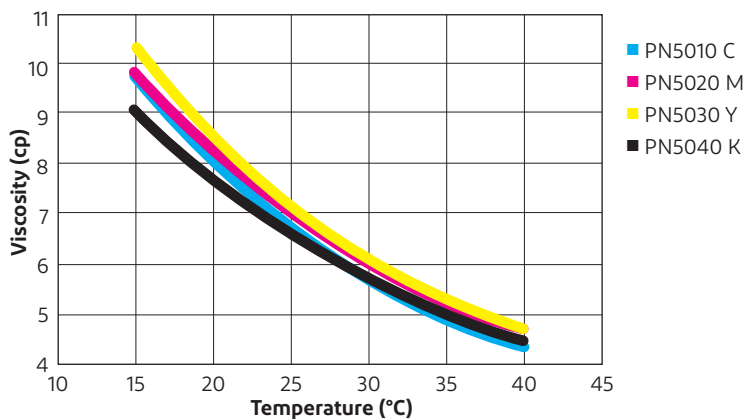
Physical Properties

Measured at 25°C

Test Name	PN5010 Cyan	PN5020 Magenta	PN5030 Yellow	PN5040 Black	PN5020 Magenta	PN5060 Orange	PN5075 Green
pH	9.3	8.4	8.9	8.3	8.5	8.9	8.6
Surface tension (mN/m)	31.0	30.0	32.0	31.0	35.0	36.0	33.0
Viscosity (cP)	6.5	6.5	6.8	7.1	7.3	7.0	7.4

(Typical Values)

Viscosity vs. Temperature



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

Artistri.DuPont.com

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