Nazdar Fluorescent Pigment Powders

NAZDAR®
Ink Technologies

Fluorescent pigments are powders added to screen inks to produce bright, neon colors that are characterized by high brilliance when exposed to a UV black light. This brilliance can be further enhanced using optical brighteners. Fluorescent colors add high interest to graphics, but fade quickly when exposed to UV light.

While technical information and advice on the use of this product is provided in good faith, the User bears sole responsibility for selecting the appropriate product for their end-use requirements. Reference the 'Quality Statement' at the end of this document.

User Information

Mesh

230-305 tpi (90-120 tpcm) with a mesh opening of 60-45 um monofilament polyester mesh for most applications.

Pigment/Additive Load

Fluorescent Powders can be added to most ink series. Depending on ink system, mesh count, adhesion, cure, and desired effect:

Add up to 30% by weight.

Adding Fluorescent Powders to inks may result in viscosity, color and printability changes over time. Mix only enough Fluorescent ink to be used the same day.

Printing

If any inks are to be over printed fluorescent ink(s), the overprinting ink(s) must be evaluated for intercoat adhesion before proceeding with the production run.

Fluorescent ink's color fades with exposure to ultraviolet light. This includes outdoor exposure as well as UV reactor exposure. It is therefore recommended to adjust art so these colors are the final colors printed on any image to limit excessive exposure to UV light.

Optical Brightener

Add up to 1% by weight NSICH221 Optical brightener to fluorescent inks to enhance color under 'black light' viewing conditions. NSICH221 Optical brightener changes the hue of the Fluorescent ink.

Storage

Store tightly covered at temperatures between 65°-90°F (18°-32°C). Slight color variation should be expected for fluorescent powders from container to container.

General Information

Ink Handling

Consult the applicable Safety Data Sheet (SDS / MSDS) for further instructions and warnings.

For assistance on a wide range of important regulatory issues, consult the Regulatory Compliance Department link at http://www.nazdar.com or contact Nazdar Ink Technologies - World Headquarters (see contact listing at the end of this document).

Weathering / Outdoor Durability

Fluorescent colors fade quickly with exposure to UV light and are not rated for Outdoor Durability.

Color Card Materials

Special Effects Color Card (CARDSPL): shows Fluorescent Powders mixed in UV clear ink.

Packaging / Availability

Contact your Nazdar distributor for product availability and offering.

Standard Items

Standard items listed below are inventoried in 1 pound containers.

Item Number	Color
SIPP105	Fluorescent Pink
SIPR622	Fluorescent Red
SIPO510	Fluorescent Red/Orange
SIPO511	Fluorescent Orange
SIPO541	Fluorescent Orange/Yellow
SIPY915	Fluorescent Yellow
SIPY952	Fluorescent Yellow/Green
SIPG305	Fluorescent Green
SIPU711	Fluorescent Blue
SIPR623	Fluorescent Magenta

Screen Ink Additive

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Non-Standard Items

Non-Standard items listed below are special order, non-inventoried colors which may require additional lead time. These items are available in 1 pound containers.

Item Number	Color
NSICH221	Optical Brightener

Nazdar Quality Statement

Nazdar® stands behind the quality of this product. Nazdar® cannot, however, guarantee the finished results because Nazdar® exercises no control over individual operating conditions and production procedures. While technical information and advice on the use of this product is provided in good faith, the User bears sole responsibility for selecting the appropriate product for their end-use requirements. Users are also responsible for testing to determine that our product will perform as expected during the printed item's entire life-cycle from printing, post-print processing, and shipment to end-use. This product has been specially formulated for screen printing, and it has not been tested for application by any other method. Any liability associated with the use of this product is limited to the value of the product purchased from Nazdar®.

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