



Brilliant Non-Formaldehyde Fluorescent Pigments BNF-5800 SERIES

Principal Applications

- Rotational Molding
- Crayons
- Screen Inks
- Powder Coatings
- Liquid Color
- Lumber Markers
- Water-Based Systems
- Plastics

Product Features and Benefits

- Formaldehyde-Free Pigment matrix No offensive formaldehyde odors released during processing
- Broad Compatibility Formulations can be prepared in a wide range of media

Pigment Specifications

| | |
|---------------------|------------------------------------|
| Specific Gravity | 1.3 |
| Particle size | 3 - 5 microns |
| Hegman Grind | Approx. 5.0 |
| Softening Point | 295°F-310°F (145°C-155°C) |
| Decomposition Temp. | 570°F (300°C) in absence of oxygen |

Solubility & Bleed Resistance

| <u>SOLVENT</u> | <u>SOLUBILITY</u> | <u>BLEED</u> |
|---------------------|-------------------|--------------------|
| Water | Insoluble | Slight |
| Ethanol | Soluble | Considerable |
| Isopropyl Alcohol | Insoluble | Moderate |
| Methyl Ethyl Ketone | Partly Soluble | Considerable |
| Ethyl Acetate | Insoluble | Slight to Moderate |
| Xylene | Insoluble | Slight |
| Mineral Spirits | Insoluble | Slight |

Color Guide

| <u>SHADE</u> | <u>CODE</u> |
|---------------|-------------|
| Pink | BNF-PK5811 |
| Cerise | BNF-CE5812 |
| Red | BNF-RD5813 |
| Orange-Red | BNF-OR5814 |
| Orange | BNF-OG5815 |
| Orange-Yellow | BNF-OY5816 |
| Yellow | BNF-YE5817 |
| Green | BNF-GR5818 |
| Blue | BNF-BL5819 |
| Magenta | BNF-MG5821 |
| Violet | BNF-VT5820 |

Storage

When stored in a cool, dry environment, BNF pigments have an indefinite shelf life. Colorant containers should be kept closed to minimize contamination.

Toxicity

Tests conducted through independent laboratories have found Brilliant BNF-Series Fluorescent Pigments to be "essentially non-toxic." A summary of the test data is listed on the MSDS, which is available upon request. Good industrial hygiene and handling methods are essential in the use of all products whether or not they are determined to be hazardous.

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of pigments can vary based on numerous factors, including but not limited to application methods, substrates, and environmental conditions.

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