



Brilliant Non-Formaldehyde Fluorescent Pigments

BNF SERIES

Principal Applications

- Plastics Color Concentrates/Masterbatch

Product Features and Benefits

- | | |
|--|--|
| • A complete palette of fluorescent colors | Provides a wide range of color options |
| • Granular Particle Shape | Pigments reduce bridging in hopper |
| • 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	Approx. 100 microns
Hegman Grind	Approx. 2.0
Softening Point	295°F-310°F (145°C-155°C)
Optimal Run Temp.	180°C-200°C (Max Temp 240°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-PK511
Cerise	BNF-CE512
Red	BNF-RD513
Orange-Red	BNF-OR514
Orange	BNF-OG515
Orange-Yellow	BNF-OY516
Yellow	BNF-YE517
Green	BNF-GR518
Magenta	BNF-MG521

Regulatory Information

The BNF series pigments are compliant with the following regulations along with others not listed below. Please contact Brilliant for additional information.

-EN 71-3	-EN 71-12	-EU AP (89) 1	-EU NO 10/2011
-PAH limits	-RoHS	-REACH	-No SVHC

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.

IMPORTANT: DISCLAIMER OF WARRANTIES AND LIMITATION OF LIABILITY

Technical Information

The technical information contained in this document is provided for general informational purposes only. All information is believed to be accurate and reliable at the time of publication, but no guarantee or warranty, expressed or implied, is given as to its



completeness, accuracy, or suitability for any particular purpose. This information should not be relied upon as professional advice or the sole basis for decisions, as the performance of pigments can vary based on numerous factors, including but not limited to application methods, substrates, and environmental conditions.

No Warranty

To the fullest extent permitted by law, we hereby disclaim all warranties, whether express or implied, statutory or otherwise, including, without limitation, any implied warranties of merchantability, fitness for a particular purpose, non-infringement, or any warranties arising from course of dealing or usage of trade. The pigments and any technical information provided are made available "AS IS" and "WITH ALL FAULTS."

Limitation of Liability

Under no circumstances shall Brilliant Group, Inc., its affiliates, officers, shareholders, directors, employees, or agents be liable for any direct, indirect, special, incidental, consequential, or punitive damages (including, but not limited to, loss of profits, loss of business opportunities, loss of data, or any other commercial or economic losses) arising out of or in connection with the use, application, or reliance upon the technical information provided, even if we have been advised of the possibility of such damages.