

## Brilliant General Purpose Fluorescent Pigments BGP SERIES

A tinctorially strong general purpose fluorescent pigment for use in low polarity systems including paper coatings, paints, screen inks, plastisols and gravure Type "A" inks.

### Principal Applications

- Paper Coatings
- Flexo and Gravure Inks
- Screen and Textile Inks
- Garment Dyeing
- Aqueous and Non-aqueous Systems
- Brush-on, and Spray Paints
- Plastisols
- Coatings

### Product Features and Benefits

- High Color Strength      Extra strength pigments offer formula flexibility and increased value in use
- A complete palette of fluorescent colors      Provides a wide range of color options
- Broad compatibility      Formulations can be prepared in a wide range of media

### Pigment Specifications

Particle size <sup>1</sup>	3-5 microns
Hegman Grind	Approx. 5.5
Softening Point	Approx. 165-205°F
Decomposition Temp.	570°F to 580°F
Specific Gravity <sup>2</sup>	1.3
Bulking value (gallons/pounds)	0.0856

<sup>1</sup> By laser diffraction

<sup>2</sup> Represents specific gravity of the solid pigment; This should not be used to determine the pounds per gallon of the pigment powder

### Solubility<sup>3</sup> and Bleed Resistance<sup>4,5</sup>

Brilliant Group, Inc. :: 750 National Court, Suite 100 :: Richmond, CA 94804  
Tel: +1-415-771-4757 :: Fax: +1-415-789-4150 :: [www.fluorescentcolor.com](http://www.fluorescentcolor.com)

	<u>Solubility</u>	<u>Bleed</u>
Aliphatic Hydrocarbons	A	1
Aromatic Hydrocarbons	A-C	1-4
Alcohols - low polarity	A-C	2
Alcohols - high polarity	C-D	4
Ketones - low polarity	B-C	3
Ketones - high polarity	C-D	4
Esters - low polarity	A-C	1-2
Esters - high polarity	C-D	2-4
Glycols	A-B	1-2
Glycol Ethers	C-D	3-4
Chlorinated Solvents - low polarity	A-B	1-2
Chlorinated Solvents - high polarity	C-D	3-4
Plasticizers	A-D	1-4

Note: Combinations of different solvents may give different results and should be tested.

A - Insoluble            1 - None  
 B - Slightly Soluble    2 - Slight  
 C - Partly Soluble     3 - Moderate  
 D - Soluble             4 - Considerable

<sup>3</sup>Test conditions, Water bath, 30 minutes, 100°F

<sup>4</sup>Following solubility test, appearance of the supernatant liquid is observed

<sup>5</sup>Green and Blue fluorescent pigments generally exhibit superior bleed resistance

## Color Guide

<u>SHADE</u>	<u>CODE</u>
Pink	BGP-PK111
Cerise	BGP-CE112
Red	BGP-RD113
Orange-Red	BGP-OR114
Orange	BGP-OG115
Orange-Yellow	BGP-OY116
Yellow	BGP-YE117
Green	BGP-GR118
Blue	BGP-BL119
Violet	BGP-VT120
Violet	BGP-VT120-2
Magenta	BGP-MG121

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

**Toxicity:** Tests conducted through independent laboratories have found Brilliant Group BGP 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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