



Pete's Luminous Creations

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Ultra Violet Light Sensitive Phosphorus Powder

Introduction

With a body color of white or light-green, UV Phosphorus Powders glow in different colors when exposed to ultra violet light waves of 253.7nm and 365nm. The glowing colors are blue, green, purple, red, yellow and violet.

Non-toxic, harmless, free from any radioactive additives, good chemical stability and insoluble in water are some of this powders characteristics. It can be added to various mediums like paint, printing ink, plastic, rubber, glass, etc..

Suitable areas of application would be as signs or decoration in places like hotels, restaurants, discos, and other public areas like outdoor advertisements, neon lamps, and indoor illumination. This product is also popular with artists who create paintings with special UV effects.

Physical Character

1. Technical Standard

Product	Glow Color	Average Size (um)	Gravity (g/cm)	Relative Brightness	Cost in US\$
UVR	Red	5-15	3.6-5.0	>110% of the standard samples	US\$390 / kg
UVB	Blue	5-15	3.6-5.0	>110% of the standard samples	US\$262 / kg
UVO	Orange	5-15	3.6-5.0	>110% of the standard samples	US\$316 / kg
UVY	Yellow	5-15	3.6-5.0	>110% of the standard samples	US\$296 / kg
UVG	Green	5-15	3.6-5.0	>110% of the standard samples	US\$278 / kg
UVP	Purple	5-15	3.6-5.0	>110% of the standard samples	US\$272 / kg
UWW	White	5-15	3.6-5.0	>110% of the standard samples	US\$286 / kg

2. Measurement

- a. Average Size: LMS-24 Laser Microsizer
- b. Gravity: According to GB5211.4-85
- c. Brightness: JY-III UV Phosphor Relative Brightness Analyzer.

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