

Technical Information

Long Afterglow Pigment

Typical Chemical Properties

Trade Name: N50002-D
Chemical Formula: (Ca, Sr) S: Bi
Insoluble in: Organic Solvents
Moisture: <0.2%
Decomposition by: Strong Acids
pH (Aqueous Solution): Approximately 12

Typical Physical Properties

Appearance: Crystalline Grey White Fine Powder
Specific Gravity: 2.8 gr/cm³
Body Color, CIE Colour Coordinates: x = 0.328 (± 0.010), y = 0.351 (± 0.010)

Particle Size Distribution in µm

D10	D50	D90	DTop
14.0 ± 3	38.0 ± 3	56.0 ± 3	150.0

Typical Phosphorescent Properties

Phosphorescence Colour: Purplish Blue
CIE Colour Coordinates: x=0.210 (± 0.010), y=0.130 (± 0.010)

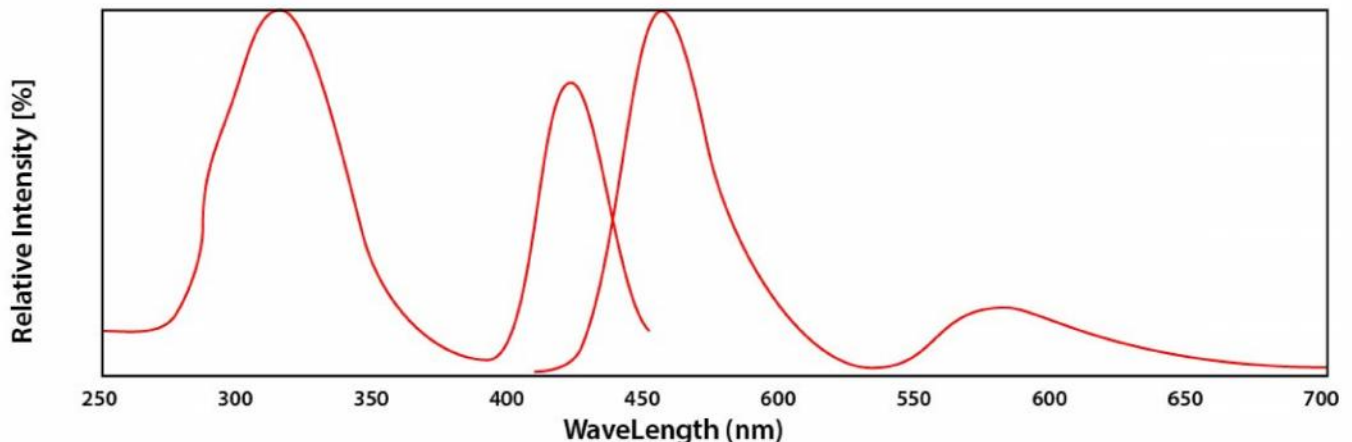
Phosphorescence Values in mcd/m²

1 min	10min	20min	30min	60min	0.32mcd/m ² 30 min
12.0	0.5	--	--	--	

Tested according to DIN 67510 (part1)

Typical Excitation and Emission Spectrum

Excitation: UV light, Day light, Fluorescent lamp
Emission Peak Wavelength: 455nm (±3), 581nm (±3)



The information herein is to assist customers in determining whether our products are suitable to their applications. We recommend that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute any other warranty express or implied, including any warranty of merchantability or fitness nor of protection from any law or patent to be inferred. Specifications may be changed with or without notice for improvement.