

# THE GLOW.PRO COMPANY

## GLOW ELEMENTS Photoluminescent pigment

### CHEMICAL PROPERTIES

Composition	Strontium Aluminate doped with Europium Dysprosium oxides
Insoluble in	Organic solvents, water
Decomposition by	Strong acids, strong alkalines
Fastness to heat	-40~850C° or 1100C not more than 10minutes

### PHYSICAL PROPERTIES

Appearance	Yellowish crystal powder
Specific gravity	3.6g/cm <sup>3</sup>
Bulk Density	1.21g/cm <sup>3</sup>
Average Particle Size	400~800um

### LUMINESCENT PROPERTIES

Excitation	all visible light and UV light (200~450nm better)
Glow Color	Yellow green (Emitting light Wavelength Peak: 520±2nm)
Afterglow Intensity after	10min >1100 mcd/m <sup>2</sup> 60min >160 mcd/m <sup>2</sup> 600min >10 mcd/m <sup>2</sup>

Afterglow intensity(to 0.32mcd/m<sup>2</sup>): >14000min under norm DIN67 510

### LUMINANCE DATA

Time	10"	1'	2'	3'	4'	5'	10'	15'	20'	30'	40'	50'	60'	90'	120'	180'	300'	600'
mcd/m <sup>2</sup>	21080	8764	5319	3843	3009	2475	1268	860.4	625.8	389.9	274.6	208.8	166.1	103.6	73.13	44.82	24.14	10.74

**Lifespan:** >15years under well packing condition.

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## **SAFETY**

1. Toxic: NO.
2. Radioactive: NO.

## **OTHER DATA**

1. Using Condition(recommended): With all colorless, transparent medium such as paint, coating, resin, etc.
2. Storage Condition: In cool, dry and ventilated place, with temperature -50~60°C
3. Packing: 25kgs /iron pail lined with plastic bags.  
G.W.: 26.6kgs, Dim: D31 x H34cm  
20'Container FCL Q'ty: 11250kgs(palletized)
4. Norm Complied: EN71-3, RoHS, DGM.
5. Norm MEET: PSPA Class-G, JIS-Z9107 JD.  
IMO A.752(18), ISO 23601, UL924,  
ASTM E2030/E2072/E2073,  
ATPA SS-PS-002-98/SS-PS-004-99,  
BS 5499-1 2002, NYC Law 26

## **CAUTION**

The application must take place in well-aired places using protective gloves. Skin or eye contact must be avoided, otherwise wash carefully with soap and water.

**For more information consult the material safety data sheet.**

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The information given here is true, represents our best knowledge and is based not only on laboratory work, but also on field experience. However, because of numerous factors affecting results we offer this information without any guarantee and no patent liability is assumed. For additional information or questions, contact the technical department of THE GLOW.PRO COMPANY.