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Item

Product Description Photoluminescent pigment
 Model BG-B3

Application Scopes

Screen printing ink, brush/roller/spraying paint indoors, dip plastic coating, injection/extrusion/casting plastic, silicone rubber molding, etc.

Typical chemical properties

Composition Strontium Aluminate doped with Europium Dysprosium oxides.
 Insoluble in organic solvents, water
 Decomposition by Strong acids, strong alkalines
 Fastness to heat -40~850°C

Typical physical properties

Appearance Yellowish crystal powder
 Specific gravity 3.6g/cm³
 Bulk Density 1.21g/cm³
 Average particle size 35~45um. 100% passing 200mesh.

Typical luminescent properties

Excitation all visible light and UV light (250~450nm better)
 Glow Color Blue green (Emitting light Wavelength Peak: 490±2nm)
 Afterglow Intensity 10min >310 mcd/m²
 after 60min >45.0 mcd/m²
 600min >2.55 mcd/m²

Afterglow intensity(to 0.32mcd/m²): >3820min under norm DIN67 510

Typical luminance data

Time	10"	1'	2'	3'	4'	5'	10'	15'	20'	30'	40'	50'	60'	90'	120'	180'	300'	600'
mcd/m ²	7904	2601	1497	1059	827	678	346	234	173	110	79.7	61.4	49.4	30.3	21.3	12.9	6.72	2.72

Luminance Test Methods	<p>Under Norm DIN67510-1:2009</p> <p>Put sample in opaque container for 24hrs, Temperature: 23±2°C, expose the sample under 1000lx-D65 light source for 5', then turn off the light and test the sample's afterglow luminance at 2', 10', 30', and 60'.</p>
Luminance Test Instruments	<ul style="list-style-type: none"> ○ Charging Light Source D65 Xenon Lamp ○ Charging Lamp Model Toshiba FL20S.D-EDL-D65 ○ Test Instruments Model Luminance Meter: Konica Minolta LS-150 Illuminance Meter: Konica Minolta T-10A

Lifespan: >15years under well packing condition.

Safety:

1. Toxic:

2. Radioactive: NO.

Other data:

1. Using Condition(recommended):

With all colorless, transparent medium, such as paint, coating, resin, etc.

20'Container FCL Q'ty: 11250kgs(palletized)

4. Norm Complied: EN71-3, RoHS, DGM.

5. Norm MEET: PSPA Class-E, JIS-Z9107 JC.

2. Storage Condition: In cool, dry and ventilated place, with temperature -50~60°C

IMO A.752(18), ISO 23601, UL924, ASTM E2030/E2072/E2073,

3. Packing: 25kgs /iron pail lined with plastic bags.
G.W.: 26.6kgs, Dim: D31 x H34cm

ATPA SS-PS-002-98/SS-PS-004-99, BS 5499-1 2002, NYC Law 26