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Item

Product Description Photoluminescent pigment
 Model LG-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 dopped with Europium Dysprosium oxides.
 Insoluble in organic solvents
 Decomposition by Strong acids, strong alkalines, water
 Fastness to heat -40~230°C

Typical physical properties

Appearance Lemon yellow 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 (200~450nm better)
 Glow Color Lemon Green
 Afterglow Intensity 10min >150 mcd/m²
 after 60min >20.0 mcd/m²
 600min >1.10 mcd/m²

Afterglow intensity(to 0.32mcd/m²): >1880min 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	4227	1317	743	515	392	317	160	105	77	48.7	34.9	26.8	21.6	13.2	9.26	5.57	2.9	1.17

Luminance Test Methods	Under Norm DIN67510-1:2009 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'.
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