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Item

Product Description Photoluminescent pigment
Model LG-B2

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
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 100-120um 100% passing 100mesh

Typical luminescent properties

Excitation all visible light and UV light (200~450nm better)
Glow Color Lemon Green
Afterglow Intensity after 10min >280 mcd/m²
60min >36.0 mcd/m²
600min >2.20 mcd/m²

Afterglow intensity(to 0.32mcd/m²): >2970min 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	6418	2209	1292	912	697	567	286	188	138	87	62	47.2	37.3	22.9	16.1	9.79	5.19	2.32

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)

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

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

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

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

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