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Item

Product Description Photoluminescent pigment
 Model BG-F5

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℃

Typical physical properties

Appearance Yellowish crystal powder
 Specific gravity 3.6g/cm³
 Bulk Density 1.21g/cm³
 Particle size distribution 15~25um. 100% passing 300mesh.

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 after 10min >475 mcd/m²
 60min >60.7 mcd/m²
 600min >3.39 mcd/m²

Afterglow intensity(to 0.32mcd/m²): >4370min 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	6813	3247	2091	1540	1218	1011	529	348	253	158	111	84.6	67.5	40.6	28.4	17	8.99	3.77

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: 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-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