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Item

Product Description Photoluminescent pigment
Model PR-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
Fastness to heat -40~230°C

Typical physical properties

Appearance Pink red 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 Pink Red
Afterglow Intensity 10min >80 mcd/m²
after 60min >10.5 mcd/m²
 600min >0.60 mcd/m²

Afterglow intensity(to 0.32mcd/m²): >1100min 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	2729	777	424	291	221	179	89.2	58.5	42.8	26.9	19.2	14.7	11.8	7.16	5	3.04	1.6	0.67

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.
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