

GlowUp JOLIN CORPORATION

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Item

Product Description Photoluminescent pigment

Model O-B2-RW

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 properities

Appearance Orange red crystal powder

Specific gravity 3.6g/cm3
Bulk Density 1.21g/cm3

Average Particle Size 100~120um 100% pass 100mesh.

Typical luminescent properties

Excitation all visible light and UV light (200~450nm better)

Glow Color Orange

Afterglow Intensity after 10min >240 mcd/m2

60min >30 mcd/m2 600min >1.9 mcd/m2

Afterglow intensity(to 0.32mcd/m2): >2730min 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/m2	5582	1920	1123	792	607	493	248	163	120	75.8	54	41.1	32.4	19.9	14	8.51	4.51	2.01

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	 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: >15 years under well packing condition.

Safety:

1. Toxic:

Other data:

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 \sim 60 $^{\circ}$ C

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

2. Radioactive: NO.

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