



JOLIN CORPORATION

大连九霖科技发展有限公司

Tel: +86-411-82479399/ 82479385/ 82479386

Fax: +86-411-82479390

<http://jolingroup.com>

Email: jolin@jolingroup.com

Item

Product Description Photoluminescent pigment
 Model Y-B3-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 properties

Appearance Orange yellow crystal powder
 Specific gravity 3.6g/cm³
 Bulk Density 1.21g/cm³
 Average particle size 35~45um 100% pass 200mesh.

Typical luminescent properties

Excitation all visible light and UV light (200~450nm better)
 Glow Color Yellow
 Afterglow Intensity 10min >200 mcd/m²
 after 60min >26.5 mcd/m²
 600min >1.85 mcd/m²

Afterglow intensity(to 0.32mcd/m²): >2270min 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 | 5538 | 1712 | 957 | 667 | 511 | 415 | 212 | 140 | 101 | 64.8 | 45.8 | 35.3 | 28.4 | 17.5 | 12.4 | 7.75 | 5.44 | 2.01 |

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|----------------------------|--|
| 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