



# JOLIN CORPORATION

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## Item

Product Description	Photoluminescent pigment
Model	BG-B2-RH

## Application Scopes

Screen printing ink, brush/roller paint, dip plastic coating, casting plastic, silicone rubber molding, etc.

## Typical chemical properties

Composition	Strontium Aluminate dopped with Europium Dysprosium oxides.
Insoluble in	organic solvents, water
Decomposition by	Strong acids, strong alkalines
Fastness to heat	-40~1100°C

## Typical physical properities

Appearance	Yellowish crystal powder
Specific gravity	3.6g/cm <sup>3</sup>
Bulk Density	1.21g/cm <sup>3</sup>
Particle size distribution	100~120um. 100% passing 200mesh.

## 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	mcd/m <sup>2</sup>
60min	mcd/m <sup>2</sup>
600min	mcd/m <sup>2</sup>

Afterglow intensity(to 0.32mcd/m<sup>2</sup>): >10850min 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 <sup>2</sup>	8434	4166	2766	2082	1678	1410	764	506	370	230	160	122	96.3	56.9	38.9	22.6	12.2	6.99

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"> <li>○ Charging Light Source D65 Xenon Lamp</li> <li>○ Charging Lamp Model Toshiba FL20S.D-EDL-D65</li> <li>○ Test Instruments Model Luminance Meter: Konica Minolta LS-150 Illuminance Meter: Konica Minolta T-10A</li> </ul>

**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