



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 YG-405-RH

Application Scopes

Glass, ceramic, tile, 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 -40~850℃

Typical physical properties

Appearance Yellowish crystal powder
Specific gravity 3.6g/cm³
Bulk Density 1.21g/cm³
Average Particle Size: 400~800um 100% passing 200mesh.

Typical luminescent properties

Excitation all visible light and UV light (200~450nm better)
Glow Color Yellow green (Emitting light Wavelength Peak: 520±2nm)
Afterglow Intensity after 10min mcd/m²
60min mcd/m²
600min mcd/m²

Afterglow intensity(to 0.32mcd/m²): >14000min 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	#####	8764	5319	3843	3009	2475	1268	860	626	390	275	209	166	104	73.1	44.8	24.1	10.7

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.

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