Item
Product Description  Photoluminescent pigment
Model  YG-LL4

Application Scopes
Brush/roller/spray paint indoors, screen printing, signs, injection plastic, extrusion/castling plastic, silicone rubber, toys and arts, etc.

Typical chemical properties
Composition  Strontium Aluminate dopped with Europium Dysprosium oxides.
Insoluble in  organic solvents
Decomposition by  Strong acids, strong alkalines, water
Fastness to heat  -40~500°C

Typical physical properties
Appearance  Yellowish crystal powder
Specific gravity  3.6g/cm³
Bulk Density  1.21g/cm³
Particle size distribution  25~35um.  100% passing 250mesh.

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  >380  mcd/m²
                      60min  >50.0  mcd/m²
                      600min  >2.50  mcd/m²
Afterglow intensity(to 0.32mcd/m²): >4540min under norm DIN67 510

Typical luminance data

<table>
<thead>
<tr>
<th>Time</th>
<th>10°</th>
<th>1'</th>
<th>2'</th>
<th>3'</th>
<th>4'</th>
<th>5'</th>
<th>10'</th>
<th>15'</th>
<th>20'</th>
<th>30'</th>
<th>40'</th>
<th>50'</th>
<th>60'</th>
<th>90'</th>
<th>120'</th>
<th>180'</th>
<th>300'</th>
<th>600'</th>
</tr>
</thead>
<tbody>
<tr>
<td>mcd/m²</td>
<td>5138</td>
<td>3066</td>
<td>2207</td>
<td>1731</td>
<td>1425</td>
<td>416</td>
<td>291</td>
<td>198</td>
<td>122</td>
<td>86.4</td>
<td>52.3</td>
<td>31.6</td>
<td>22.2</td>
<td>13.3</td>
<td>6.93</td>
<td>2.74</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 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: NO.
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
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,