Item
Product Description: Photoluminescent pigment
Model: YG-C2

Application Scopes
Brush/roller paint indoors/outdoors, screen printing, signs, casting plastic, silicone rubber, toys, and arts, etc.

Typical chemical properties
Composition: Strontium Aluminate doped 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: 100~120μm, 100% passing 100mesh.

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 >680 mcd/m²
60min >92 mcd/m²
600min >6 mcd/m²

Afterglow intensity (to 0.32mcd/m²): >5310min 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>5004</td>
<td>3011</td>
<td>2184</td>
<td>1706</td>
<td>1400</td>
<td>702</td>
<td>482</td>
<td>359</td>
<td>224</td>
<td>162</td>
<td>123</td>
<td>96</td>
<td>58</td>
<td>42</td>
<td>25.2</td>
<td>13.8</td>
<td>6.04</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
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