Item
Product Description     Photoluminescent pigment
Model                   YG-F6

Application Scopes
Screen printing ink, brush/roller/spraying paint indoors/outdoors, 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, water
Decomposition by      Strong acids, strong alkalines
Fastness to heat      -40~500℃

Typical physical properties
Appearance            Yellowish crystal powder
Specific gravity      3.6g/cm3
Bulk Density          1.21g/cm3
Average Particle size 10~20um 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  >350 mcd/m2
                                             60min  >40 mcd/m2
                                             600min >10 mcd/m2
                             Afterglow intensity(to 0.32mcd/m2): >14500min 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>22040</td>
<td>8773</td>
<td>5323</td>
<td>3846</td>
<td>3012</td>
<td>2478</td>
<td>1271</td>
<td>863</td>
<td>629</td>
<td>392</td>
<td>277</td>
<td>211</td>
<td>168</td>
<td>106</td>
<td>75.1</td>
<td>46.6</td>
<td>25.8</td>
<td>11.6</td>
</tr>
</tbody>
</table>
Luminance Test Methods

Put sample in opaque container for 24hrs, Temperature: 23±2℃, 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:** >15years under well packing condition.

**Safety:**


**Other data:**

1. Using Condition(recommended): 20'CFL Q'ty: 11250kgs(palletized)
   With all colorless, transparent medium, such as paint, coating, resin, etc.
   4. Norm Complied: EN71-3, RoHS, DGM.
2. Storage Condition: In cool, dry and ventilated place, with temperature -50~60°C
   IMO A.752(18), ISO 23601, UL924,
   ASTM E2030/E2072/E2073,
3. Packing: 25kgs /iron pail lined with plastic bags.
   G.W.: 26.6kgs, Dim: D31 x H34cm
   ATPA SS-PS-002-98/SS-PS-004-99,
   BS 5499-1 2002, NYC Law 26
4. Norm MEET: PSPA Class-E, JIS-Z9107 JC.
5. Norm MEET: ATM, BS 5499-1 2002, NYC Law 26