

## Product Data Sheet

Article designation: photoluminescent pigment  
 Article No. SP-2  
 Product group Inorganic photoluminescent pigments for visible effects  
 Main use afterglowing plastic sheets, silk screen printing ink, paints, textile pastes, etc.

### Typical chemical properties

Composition alumane dysprosium europium oxidanylidene strontium  
 Formula:  $Al_2O_4.Dyx.Euy.Sr_{1-x-y}$   
 (x=0.5—2.0, y=0.05—1.0)  
 Insoluble in organic solvents  
 Decomposition by acids, water, alkalis,

### Typical physical properties

Appearance yellowish  
 Specific gravity  $3.6g/cm^3$   
 Temperature resistance  $250^\circ C$

### Typical luminescent properties

Excitation UV radiation, white light (any visible light)  
 Excitation wavelength 200~450nm  
 Peak value 520nm  
 Glowing Color yellow-green  
 Brightness of afterglow >10 hours  
 According to DIN67510, Part1

### Brightness testing report

	SP-2
Time(minute)	Brightness (mcd/m <sup>2</sup> )
<b>0</b>	<b>6113</b>
<b>1</b>	<b>1793</b>
<b>2</b>	<b>1049</b>
<b>5</b>	<b>466</b>
<b>10</b>	<b>238</b>
<b>Standard at 10min</b>	<b>≥220</b>
Average Particle Size(um)	<b>15-25</b>

### NOTE:

Brightness of the pigment of different production batch will be little different, but we guarantee the product accords with our quality standard.

DALIAN LUMINGLIGHT CO., LTD.

  
 李龙周