

# LC-G1S

## Photoluminescent Pigment

Inorganic photoluminescent pigment LC-G1S avails itself of fluorescent substances that can remain luminous for long hours in the dark. It absorbs the light energy from sunlight, a fluorescent lamp, an incandescent lamp or other light source and gradually releases the energy and emits light in the darkness.

Safety signs such as evacuation exit sign, evacuation direction sign as well as the toys can be made which radiate light in a dark place.

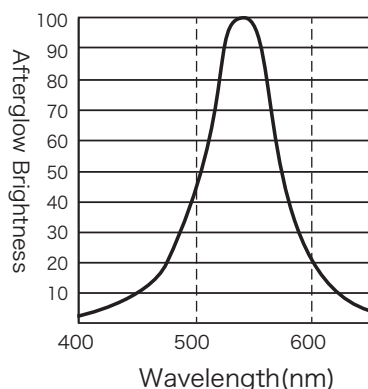


Applications : Paints, Inks, Films, and other Various Applications  
Above photographs show "LOIHI TAPE #100 Adhesive Tape", made of a film uses LC-G1S pigment coating and processed with screen printing.

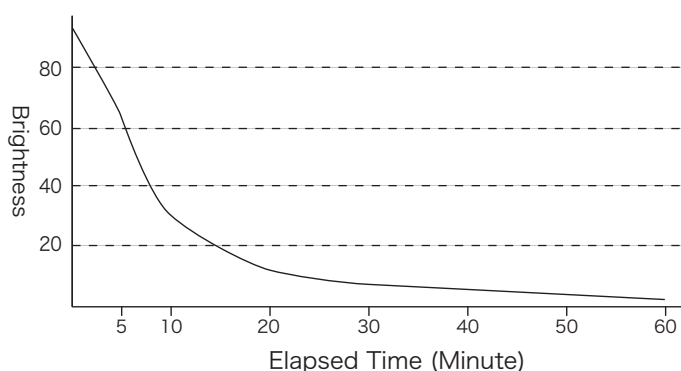
### •Quality Properties

Ingredient	Color	Glowing Color (Luminescence)	Gravity	Average Particle Size	Afterglow Brightness In conformity to DIN-67510 (Xe 1000Lx 5-minutes Irradiation)	
ZnS:Cu	Milky-White	Yellow Green	4.1	15~20 $\mu\text{m}$	10min: 27mcd/m <sup>2</sup>	60min: 3mcd/m <sup>2</sup>
Solvent	Aqueous	Resin Coloring	Exterior Use	Features		
○	○	○	×	Suitable for Luminous Safety Signs, Labels and Toys etc. The exposure to green light for about 20 minutes.		
Infusiblensness to all solvents		Molding Temperature is below 1000°C		The surface discolors black and decrease of the light brightness when continuously irradiating with a Black-Light.		

### •Emission of Light Properties



### •Emission of Light Strength



•Package: Paper bag  
Net weight: 1kg or 20kg