

# Veeto Hobbies India

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## TECHNICAL DATA SHEET

### NIGHT GLOW PIGMENT PREMIUM GREEN

<b>Article Designation:</b>	Photoluminescent Pigment
<b>Article Name &amp; No.</b>	NIGHT GLOW PIGMENT PREMIUM GREEN, 60~70um
<b>Product group</b>	Inorganic Photoluminescent Pigments for visible effects
<b>Main use</b>	After glowing Plastic Sheets, Silk Screen Printing Inks, Paints, Textile Pastes etc.
<b>Typical Chemical Properties</b>	
Composition	Alkaline earth aluminosilicate
Formula:	$SrO \cdot xAl_2O_3 \cdot ySiO_2 \cdot Eu$ (Me=Ca, Mg, Sr, Ba; x=0.5—2.0, y=0.05—1.0)
Insoluble in	Organic Solvents
<b>Typical Physical Properties</b>	
Appearance	Yellowish
Specific gravity	3.6g/cm <sup>3</sup>
Average Particle Size	
Temperature resistance	850°C
<b>Typical Luminescent Properties</b>	
Excitation	UV radiation, white light (any visible light)
Excitation wavelength	200~450nm
Peak value	520 nm
Glowing Color	Yellow-green
Brightness of afterglow	14-16 hours
According to DIN67510, Part1	

## Brightness testing report

<b>Item</b>	<b>NIGHT GLOW PIGMENT PREMIUM GREEN</b>
Time(minute)	Brightness (mcd/m <sup>2</sup> )
<b>1</b>	<b>5000</b>
<b>2</b>	<b>2510</b>
<b>10</b>	<b>781</b>
<b>30</b>	<b>295</b>
<b>60</b>	<b>126</b>
<b>12100</b>	<b>0.32</b>

### **NOTE:**

Brightness of the pigment from different production batches can have a variation of  $\pm 3\%$ , but the product accords with our quality standard.

**Disclaimer:** It is strongly recommended to test our product in the desired applications, before final production. The above information is true to the best of our knowledge. We shall however, not be responsible for any loss, injury or damage that may result from the use of this information.