

# Veeto Hobbies India

Plot no. 413, HSIIDC Industrial Area (Saha) Ambala (Haryana) Ph. No. 7027002328/29/75

Website: www.veeto.co.in, E-mail: veetohobbies@hotmail.com

## TECHNICAL DATA SHEET

### Article Designation

Article No.

### Product Group

### Main use

### Typical chemical properties

Composition

Formula

Insoluble in

Decomposition by

### Typical physical Properties

Appearance

Specific gravity

Average Particle Size

As determined by Micromeritics Sedigraph

Temperature resistance

### Typical luminescent properties

Excitation

Excitation wavelength

Peak value

Glowing Color

Brightness of afterglow

According to DIN67510, Part1

### Brightness testing report

Photoluminescent Pigment

Night Glow G1

Inorganic Photoluminescent Pigment for visible effects

after glowing plastic sheets, silk screen printing ink, paints, textile pastes, etc.

alkaline earth aluminosilicate

$\text{MeO} \cdot x\text{Al}_2\text{O}_3 \cdot y\text{SiO}_2 \cdot \text{Eu}$

(Me=Ca,Mg,Sr,Ba:x=0.8~1.5,y=0.01~1.0)

Organic solvents

acids, water, alkalis

Yellowish

$3.4\text{g}/\text{cm}^3$

$d_{50}=20\mu\text{m}$

$250^\circ\text{C}$

UV radiation, white light(any visible light)

200~450nm

520nm

yellow green

>10 hours

	Night Glow G1
Time(Minute)	Brightness(mcd/m <sup>2</sup> )
0	7055
1	1154
5	323
10	188
20	84
30	52
40	38
50	29
60	22
Standard at 10min	≥ 180
Average Particle Size(um)	15-25

### Note:

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

## **OP Medium For Night Glow Paint**

**OP Medium is a clear medium which has excellent non-yellowing properties and offers very good adhesion to several substrates such as paper, board, wood, concrete, several metals, acrylic, vinyl etc.**

**Colour : Water White**

**Thinners : Xylene, CIX, Toluene, most Ketones and Ester solvents.**

**Specific Gravity : 0.9 (Approx)**

**Viscosity(For Cup) : More than 20 seconds**

**Solids : 30% (Approx)**

**Applications include top coat for paints and inks. Also it is used with Night Glow pigments for making Night Glow Paints/ Coating/ Screen Printing Ink. i.e Night glow pigment 50-60 parts and OP Medium 40-50 parts.**

**Night Glow pigments have the property of absorbing light and emitting the same in darkness, which appears as a glow. This diminishes gradually over a duration which depends upon the quality of pigment, intensity and duration of light exposed,**

**loading(%) of pigment in formulation, thickness of coat, ground(white is recommended) etc. Keep away from heat and fire.**

**Disclaimer:** The above information is true to the best of our knowledge. We shall however, not be responsible for any loss, injury or damage that might result from the use of this information.