11/2004 Version

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Product Data Sheet

Model No.	YG-1D
Product Group	Photoluminescent long afterglow pigment
Application	Signs,solvent based ink,paint,coat,plastic process, ceramic glaze,etc.

Typical chemical properties

Composition	Alkaline earth aluminate
Insoluble in	Alkalies,organic solvents
Decomposition by	Water,acids

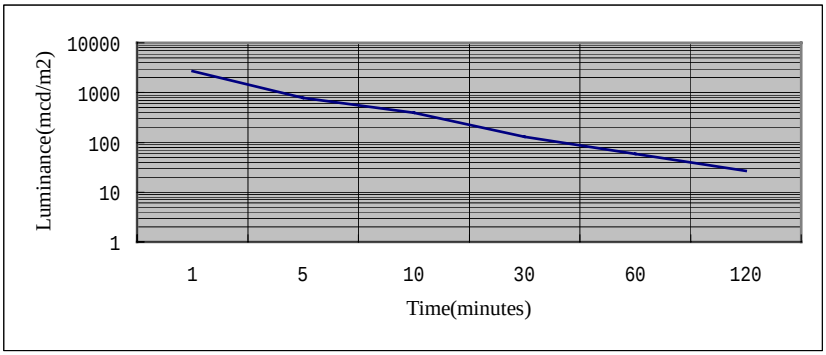
Typical physical properties

Body color	Light-yellow
Glowing color	Yellow-green
Specific gravity	3.4 g/cm3
Average particle size	30 μm (400-600 meshes)

Typical luminescent properties

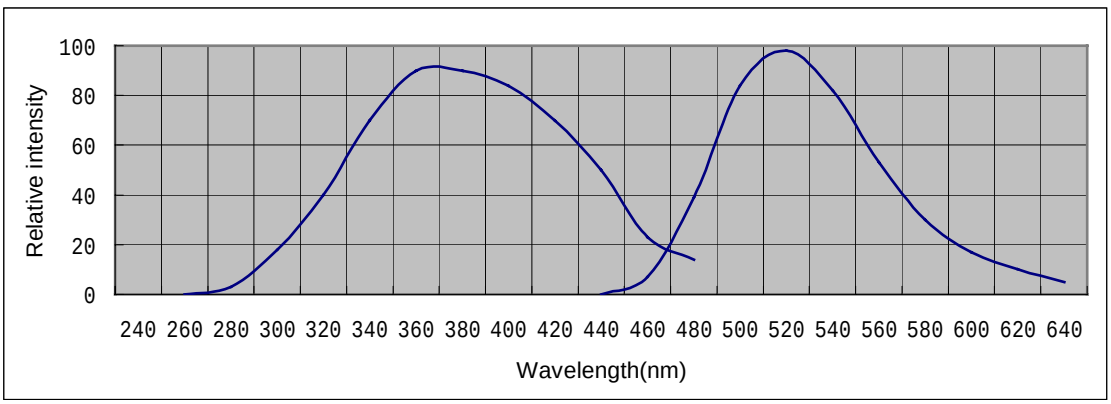
Excitation	Sunlight,UV radiation
Reference criterion to DIN 67510,part 1	390/59-6000-W-K

Typical decay curve



Typical luminance according to DIN 67510, part 1(mcd/m2)	
After 1 minutes	2700
After 5 minutes	780
After 10 minutes	390
After 30 minutes	130
After 60 minutes	59
After 120 minutes	27

Typical excitation (left) and photoluminescence spectra (right)



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