11/2004 Version

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Product Data Sheet

Model No.	YG-1F
Product Group	Photoluminescent long afterglow pigment
Application	Yarns,fibre/fiber, inject-printer ink,nail polish,tattoo,etc.

Typical chemical properties

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

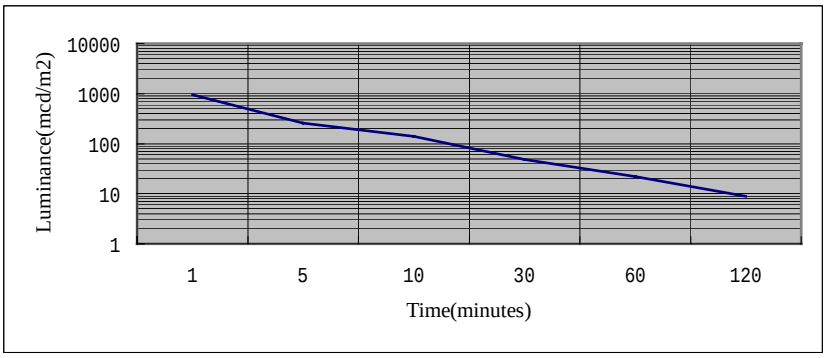
Typical physical properties

Body color	Offwhite
Glowing color	Yellow-green
Specific gravity	3.1 g/cm3
Average particle size	5 µm (under 1200 meshes)

Typical luminescent properties

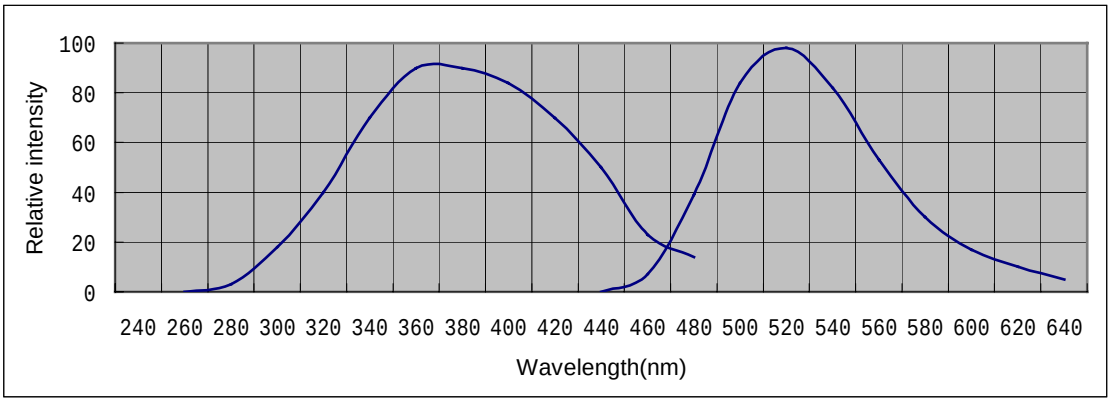
Excitation	Sunlight,UV radiation
Reference criterion to DIN 67510,part 1	140/22-1900-W-K

Typical decay curve



Typical luminance according to DIN 67510, part 1(mcd/m2)	
After 1 minutes	940
After 5 minutes	260
After 10 minutes	140
After 30 minutes	48
After 60 minutes	22
After 120 minutes	9

Typical excitation (left) and photoluminescence spectra (right)



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