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Product Data Sheet 50081 Lumilux[®] Effect Green N-F

www.honeywell-lumilux.com

Main use Afterglow plastic sheets, silk screen printing inks, injection moulding
 Useable for Solvent-based paints and inks, water-based paints, thermoplastics, thermosetting plastics, enamel, ceramics

Typical chemical properties

Composition	ZnS:Cu
Insoluble in	water, alkalies, organic solvents
Decomposition by	acids
pH-value of a waterbased slurry	min. 11

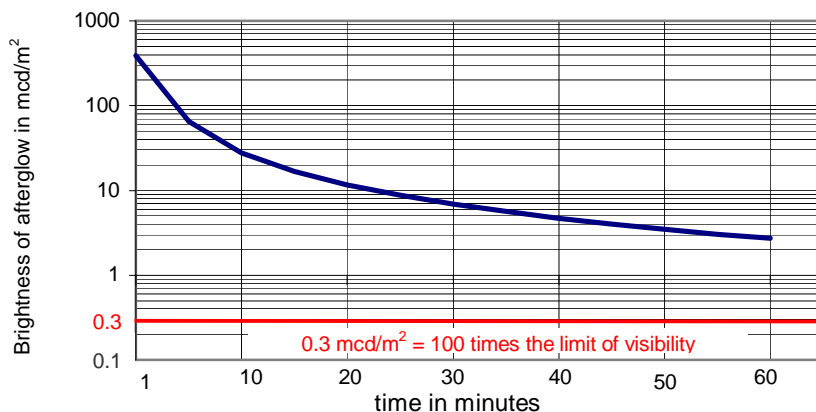
Typical physical properties

Appearance	yellow-green powder
Specific gravity	4.1 g/cm ³
Particle size distribution	d ₅₀ < 38 µm as determined by COULTER Lasersizer 230
Screen analysis	max. 0.5 % oversized particles on 100 µm testing screen

Typical luminescent properties

Excitation	white light, UV radiation
Color of fluorescence	green
Color of phosphorescence	green

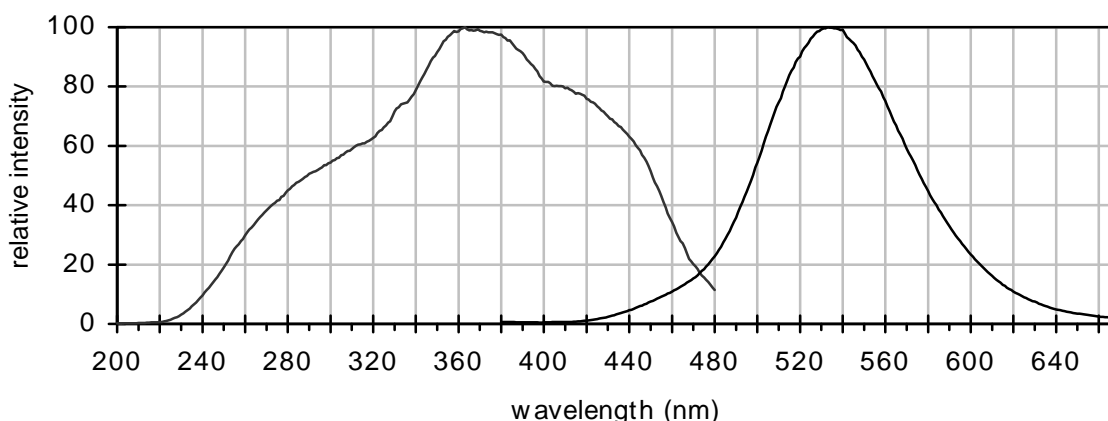
Typical decay curve



Typical intensity of afterglow according to the German norm DIN 67510-1:
 Photoluminescent pigments and products - Part 1:
 Measurement and marking at the producer

after 2 minutes	185 mcd/m ²
after 5 minutes	64 mcd/m ²
after 10 minutes	27 mcd/m ²
after 30 minutes	6.8 mcd/m ²
after 60 minutes	2.7 mcd/m ²

Typical excitation (left) and phosphorescence (right) spectra



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