

Product Data Sheet 50060 Lumilux® Effect Green N-FG

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Main use Useable for Afterglow plastic sheets, silk screen printing paints, injection moulding 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/cm³

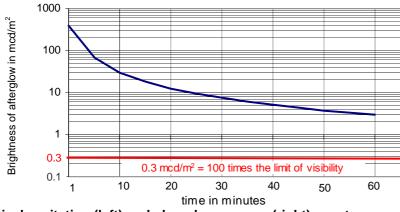
Particle size distribution $d_{50} < 38 \mu m$ as determined by COULTER Lasersizer 230 Screen analysis max. 0.5 % oversized particles on 100 μm testing screen

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:

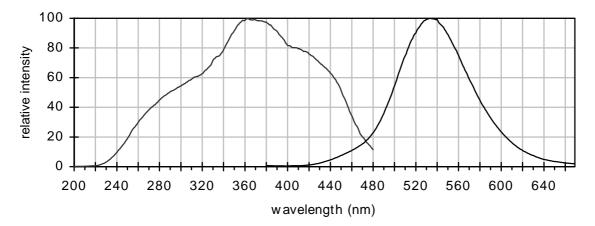
Photoluminescent pigments and products - Part 1:

Measurement and marking at the producer after 2 minutes 190 mcd/m² after 5 minutes 64 mcd/m² after 10 minutes 27 mcd/m² after 30 minutes 7.4 mcd/m²

2.9 mcd/m²

after 60 minutes

Typical excitation (left) and phosphorescence (right) spectra



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