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Product Data Sheet 50034 Lumilux[®] Effect Blue SN

www.honeywell-lumilux.com

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

Typical chemical properties

Composition alkaline earth silicate
 Insoluble in water, alkalies, organic solvents
 Decomposition by acids

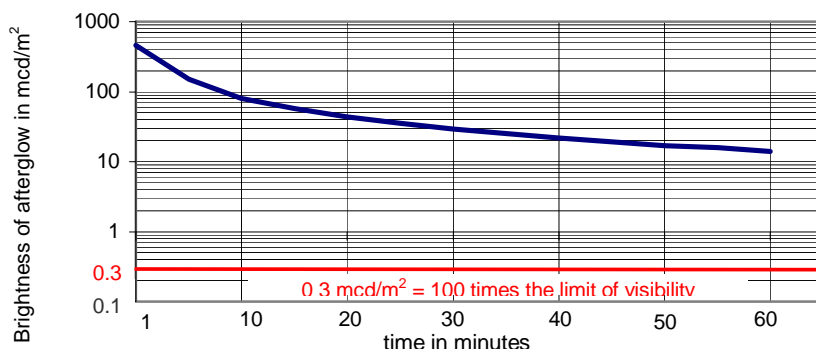
Typical physical properties

Appearance yellowish powder
 Specific gravity 3.5 – 4.0 g/cm³
 Particle size distribution d₅₀ < 65 µm as determined by COULTER Lasersizer 230
 Screen analysis max. 0.1 % oversized particles on 125 µm testing screen

Typical luminescent properties

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

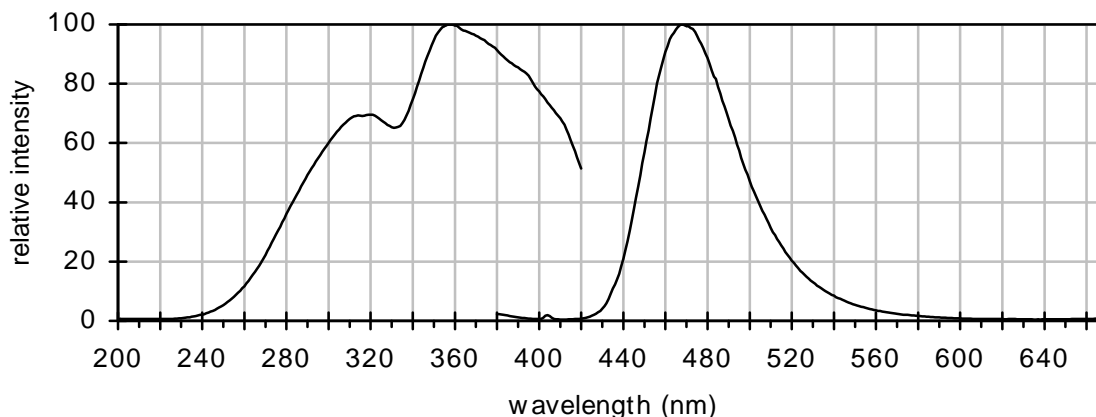
Typical decay curve



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 5 minutes	150 mcd/m ²
after 10 minutes	80 mcd/m ²
after 30 minutes	14 mcd/m ²
after 60 minutes	6 mcd/m ²

Typical excitation (left) and phosphorescence (right) spectra



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