

Product Data Sheet 50036 Lumilux[®] Effect Blue SN-F

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, alkalis, organic solvents
 Decomposition by acids

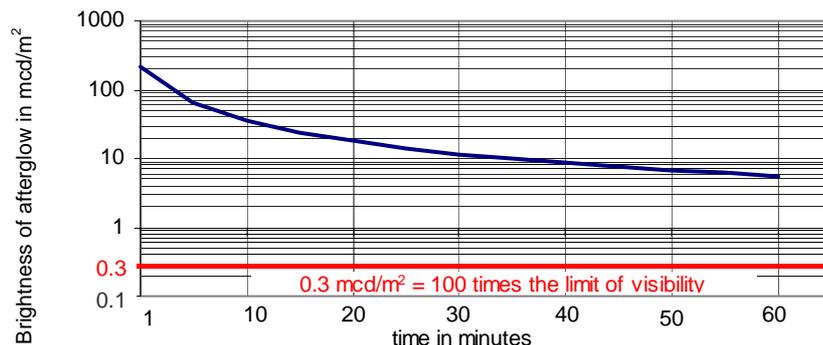
Typical physical properties

Appearance yellowish powder
 Specific gravity 3.5 – 4.0 g/cm³
 Particle size distribution d₅₀ = max. 12 µm as determined by COULTER Lasersizer 230
 Screen analysis max. 0.1 % oversized particles on 80 µm testing screen

Typical luminescent properties

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

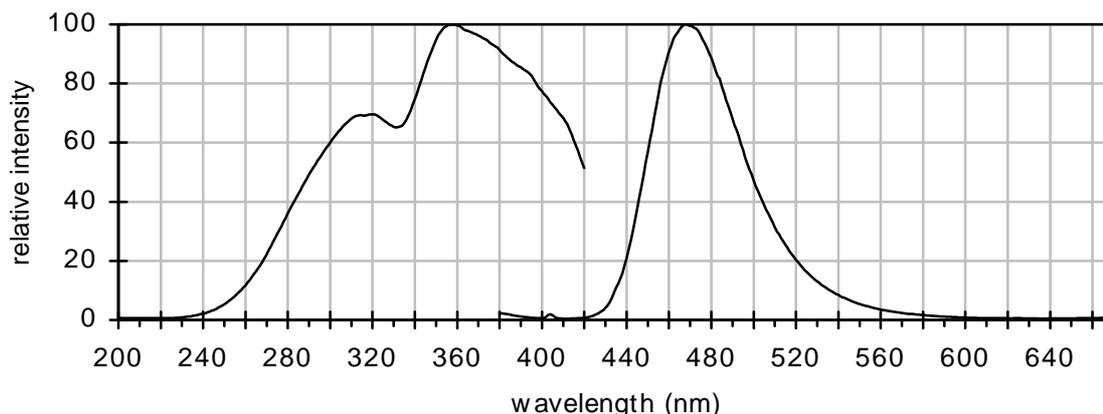
Typical decay curve



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	60 mcd/m ²
after 10 minutes	30 mcd/m ²
after 30 minutes	11 mcd/m ²
after 60 minutes	5 mcd/m ²

Typical excitation (left) and phosphorescence (right) spectra



Lumilux[®] is a registered trademark of Honeywell International Inc.

Disclaimer: Although all statements and information in this Product Data Sheet are believed to be accurate and reliable, they are presented without guarantee or warranty of any kind, express or implied, and risks and liability for results obtained by use of the products or application of the suggestions described are assumed by the user. Statements or suggestions concerning possible use of the products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that toxicity data and safety measures are indicated or that other measures may not be required. Further information concerning safe handling procedures can be obtained at <http://www.honeywell.com/sites/sm/lumilux> or by contacting Honeywell.