

Product Data Sheet

50113 Lumilux[®] green SN-F10

Main application Long glowing safety products according to national and international standards
Useable for Solvent-based paints, resins and inks, thermoplastics, thermosetting plastics

Typical chemical properties

Composition alkaline earth aluminate
Insoluble in alkalis, organic solvents
Decomposition by water, acids

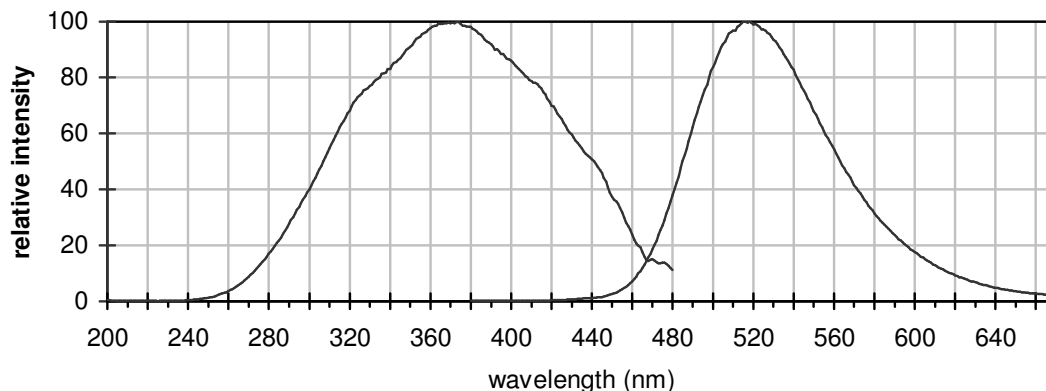
Typical physical properties

Appearance powder, off-white
Specific gravity 3.4 - 3.6 g/cm³
Particle size distribution d₅₀ = max. 13 µm as determined by COULTER Lasersizer 230
Screen analysis max. 1 % oversized particles on a 80 µm testing screen

Typical luminescent properties

Excitation white light, day-light, UV-radiation
Color of fluorescence green
Color of phosphorescence green; emission peak close to 518nm
Typical glow performance 10mins: 275 mcd/m²
60mins: 31 mcd/m²
Excitation and readout pigment layer prepared as draw down that employs 200 g pigment/m²
acc. to DIN 67510-1

Typical excitation spectrum (left) and phosphorescence emission spectrum (right)



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