

56650 Phosphorescent Pigment Red

Main use: Afterglow plastic sheets, injection moulding with daylight fluorescent effect
 Useable for: Thermoplastics, thermosetting plastics
 Law / regulation: Permitted by the European norm EN 71-3: Safety of toys – Part 3: Migration of certain elements

Typical Chemical Properties:

Composition: ZnS:Cu + red fluorescent daylight pigment
 Insoluble in: water, alkalies, organic solvents
 Decomposition by: acids

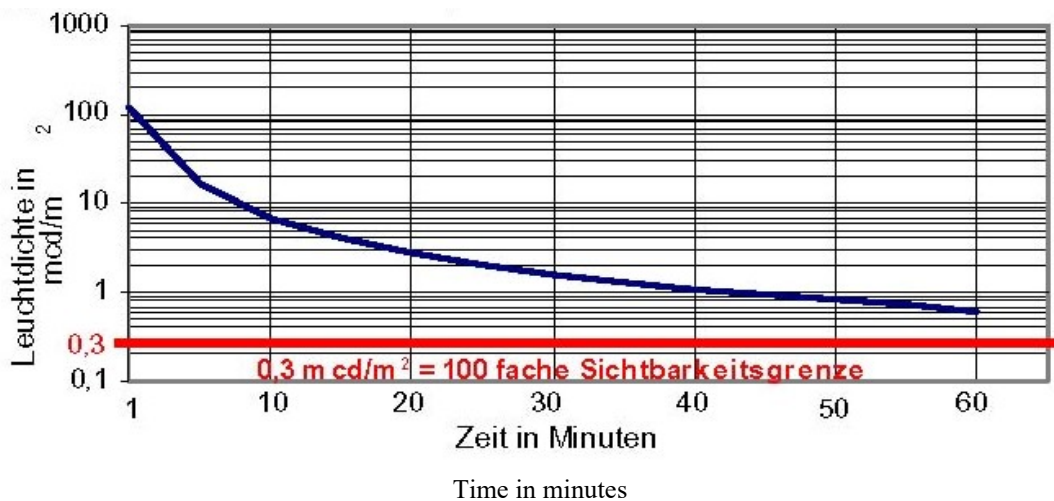
Typical Physical Properties:

Appearance: red powder
 Density: 4.1 g/m³
 Average particle size: 37 µm

Typical Luminescent Properties

Excitation: white light, UV radiation
 Color of fluorescence: orange
 Color of phosphorescence: orange

Typical Decay Curve



Typical intensity of afterglow (acc. to the German Norm DIN 67510-1)

after 2 Minutes	50 mcd/m ²
after 5 Minutes	17 mcd/m ²
after 10 Minutes	7 mcd/m ²
after 30 Minutes	1.6 mcd/m ²
after 60 Minutes	0.6 mcd/m ²

Typical Excitation (left) and Phosphorescent (right) spectra

