

Product Data Sheet 50035 Lumilux[®] Red N-WS

www.honeywell-lumilux.com

Main use Afterglow plastic sheets, paints, injection moulding
 Useable for paints and inks, thermoplastics, thermosetting plastics

Typical chemical properties

Composition Oxysulfide, Eu doped
 Insoluble in water
 Decomposition by acids

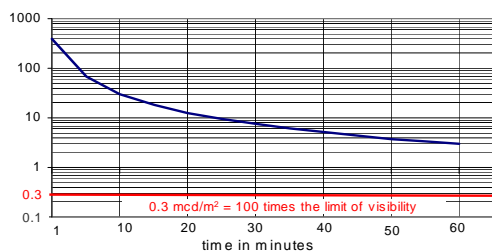
Typical physical properties

Appearance whitish powder
 Specific gravity 5.1 g/cm³
 Particle size d₅₀ < 40 µm determined by COULTER[®] LS[™] 230 (Lasersizer)

Typical luminescent properties

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

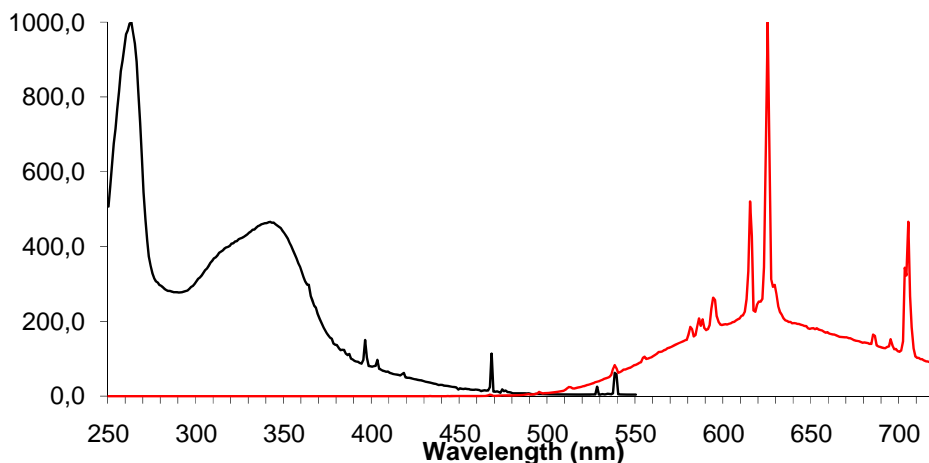
Typical decay curve



Typical intensity of afterglow according to the German standard DIN 67510-1: Photoluminescent pigments and products - Part 1: Measurement and marking at the producer

| | | |
|------------------|----|--------------------|
| after 5 minutes | 75 | mcd/m ² |
| after 10 minutes | 30 | mcd/m ² |
| after 30 minutes | 5 | mcd/m ² |
| after 60 minutes | 2 | mcd/m ² |

Typical excitation (left) and phosphorescence (right) spectra



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