Honeywell

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Product Data Sheet
50035 Lumilux® Red N-WS

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

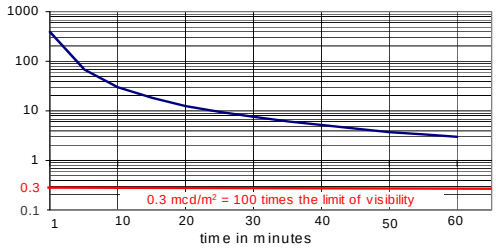
Typical physical properties

Appearance	whitish powder
Specific gravity	5.1 g/cm^3
Particle size	d_{50} < 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