

NLP® Yellow Green Pigment General Data Sheet

DESCRIPTION

NLP/YG/... non-radiation, non-toxic,
 long afterglow luminescent inorganic pigment
 Composition alkaline earth aluminates

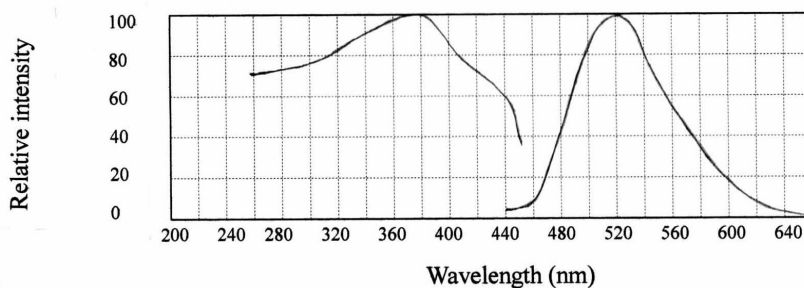
PRINCIPAL CHARACTERISTICS

Charge time approx. 40 second under direct sunlight
 or 1-30 minutes under daylight, UV and white light
 Afterglow time more than 20 hrs
 Compatibility compatible with various transparent or semi-transparent
 media
 Stability excellent physical and chemical stability
 Form solid powder
 Color yellow-green

BASIC DATA at 20°C

Mass density approx. 3.6-3.8 g/cm³
 Particle Size 5 µm, 15-20 µm, 20-30 µm, 30-45 µm, 40-65 µm,
 70-80 µm, 240-320 µm
 Insoluble in alkaline, organic solvents
 Decomposition by water, acids

EXCITATION (LEFT) AND PHOSPHORESCENCE SPECTRA (RIGHT)



Color of phosphorescence yellow green
 Excitation spectra $\lambda_{max}/nm = 370$ nm
 Phosphorescence spectra $\lambda_{max}/nm = 520$ nm

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