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Technical data sheet

Item

Product Description: Photoluminescent pigment

Model: XL-ZZTW1100

Application Scopes

Ceramic and glass additive, casting plastic, silicone rubber molding.

Typical chemical properties

Composition: Strontium Aluminate doped with Europium Dysprosium oxides.

Insoluble in organic solvents and water

Decomposition by: Strong acids, strong alkalines

Fastness to heat: -40~850C or 1100C up to 10 minutes

Typical physical properties

Appearance: Yellowish crystal powder

Specific gravity: 3.6g/cm³

Bulk Density: 1.08g/cm³

Particle size distribution: 400-800um

Hardness in Mohs scale: 7,6

Typical luminescent properties

Excitation all visible light and UV light (200~450nm better)

Glow Color: Yellow green (Emitting light wavelength Peak: 520±2nm)

Afterglow Intensity after 10min >1100 mcd/m²

60min >160 mcd/m²

600min >10 mcd/m²

Afterglow intensity(to 0.32mcd/m²): >14000min under norm DIN67 510

Typical luminance data:

Time	10"	1'	2'	3'	4'	5'	10'	15'	20'	30'	40'	50'	60'	90'	120'	180'	300'	600'
Mcd/m ²	21080	8764	5319	3843	3009	2475	1268	860,4	625,8	389,9	274,6	208,8	166,1	104	73,13	44,82	24,14	10,74

Lifespan: > 15years under well packing condition.

Safety:Toxic: No

Radioactive: No

Other data:

- Using condition (recommended): With all colorless, transparent medium, such as paint, coating, resin, etc.
- Storage Condition: In cool, dry and ventilated place, with temperature -50~60C
- Packing: 100g, 500g, 1kg, 5kg – PE container; 25kgs /iron pail lined with plastic bags
- Norm Complied: EN71-3, RoHS, DGM, PSPA Class-D, JIS-Z9107 JD, IMO A.752(18), ISO 23601, UL924, ASTM E2030/E2072/E2073, ATPA SS-PS-002-98/SS-PS-004-99, BS 5499-1 2002, NYC Law 26.

Document has been made basing on supplier certificate.