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Technical data sheet

Item

Product Description: Photoluminescent pigment

Model: M-JNW450

Application Scopes

Brush/roller/spray paint indoors/outdoors, screen printing, signs, casting plastic, silicone rubber, toys and arts, etc.

Typical chemical properties

Composition: Strontium Aluminate doped with Europium Dysprosium oxides.

Insoluble in organic solvents, water

Decomposition by: Strong acids, strong alkalines

Fastness to heat: -40~850C

Typical physical properties

Appearance: Yellowish crystal powder

Specific gravity: 3.6g/cm³

Bulk Density: 1.21g/cm³

Particle size distribution: 35-45um

Hardness in Mohs scale: 7,6

Typical luminescent properties

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

Glow Color: Blue-green, aqua-blue (Emitting light wavelength Peak: 490±2nm)

Afterglow Intensity after 10min >450 mcd/m²

30min >130 mcd/m²

60min >50 mcd/m²

Afterglow intensity(to 0.32mcd/m²): >4100min 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	7873	2688	1850	1415	1142	953	501	323	232	140	96	71	56	34,3	24,1	14,5	7,6	3,1

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.