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Technical data sheet

Item

Product Description: Photoluminescent pigment

Model: L-BL220

Application Scopes

Brush/roller paint indoors/outdoors, screen printing, injection/extrusion/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, water

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: 100-120um

Hardness in Mohs scale: 7,6

Typical luminescent properties

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

Glow Color: sky-blue (wavelength peak 458 +/-2nm)

Afterglow Intensity after 10min >220 mcd/m²

60min >30 mcd/m²

600min >2,5 mcd/m²

Afterglow intensity(to 0.32mcd/m²): >3340min 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	3186	1296	816	611	491	412	231	160	121	79,9	58,3	45,7	37,3	23,7	17,2	10,8	6,11	2,74

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.