

CHAOS TRADE
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Technical data sheet

Item

Product Description: Photoluminescent pigment

Model: XL-JNT650

Application Scopes

Glass and ceramic additive, casting plastic, silicone rubber molding.

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 or 1150C up to 5 minutes

Typical physical properties

Appearance: Yellowish crystal powder

Specific gravity: 3.6g/cm³

Bulk Density: 1.21g/cm³

Particle size distribution: 220-280um

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 >650 mcd/m²

30min >200 mcd/m²

60min >90 mcd/m²

Afterglow intensity(to 0.32mcd/m²): >11240min 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 | 8110 | 4006 | 2660 | 2002 | 1613 | 1356 | 732 | 486 | 355 | 221 | 154 | 117 | 93 | 54 | 38 | 22 | 12 | 6,7 |

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.