

TECHNICAL DATA SHEET

Luminous Pigment ChemTech ASB-5DW

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SPECIFIC PRODUCT DATA

Appearance	Powder
Colour when illuminated / Colour in darkness	White / Greenish blue
Material type	Dysprosium and europium doped strontium aluminate
Particle size, μm	25 - 30
Glow time, hours	≥ 12
Afterglow intensity after 10 min, mcd/m^2	≥ 300
Afterglow intensity after 60 min, mcd/m^2	≥ 40
pH (10% aqueous slurry)	11 - 12
Relative density, g/cm^3	3.9 – 4.2
Bulk density, g/cm^3	1.2 – 1.3
Temperature resistance, $^{\circ}\text{C}$	800
Shelf life after the inspection date, months	180

COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	Identifiers	%
Tetradecaaluminium tetrastrontium pentacosaoxide, dysprosium and europium doped	CAS-No.:264145-26-8	≥ 99

DESCRIPTION

The main component of the luminous pigment is strontium aluminate, which belongs to inorganic pigments and has characteristics such as long service life and good glow-in-the-dark effect.

Non-toxic. Chemically resistant in solvents. / Chemically resistant in water and other solvents. Good light stability enables indoor and outdoor application.

The pigment is suitable for various industrial applications. Its concentration depends on an application type and desired effect. The most visible result can be achieved in a transparent and glossy system.

The pigment can be used in combination with other effect materials and colourants.

For more precise recommendations, please contact ChemTech team member.

Standard packaging is a 25 kg carton box with an inner plastic bag. Customised packaging is available.

Luminous pigment should be stored in the original tightly sealed shipping packaging in dry conditions.

ADDITIONAL INFORMATION

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