

Zinc sulfide-ZnS



1. Material Introduction

The appearance of ZnS is white to light yellow, and the color will become darker when it is exposed to light. It is stable in dry air. When it's left in humid air for a long time or contains water, it will gradually oxidize to zinc sulfate. ZnS has high refractive index and high light transmittance, and has excellent fluorescent effect and electroluminescence function. It's widely used in optical, electronic and optoelectronic devices.

2. Technical Parameters

Symbol	ZnS
Color/Appearance	White to light yellow, sintered/crystal
Type	Granules 、Tablets
Melting Point(°C)	1700°C
Refractive Index	2.3 at 550nm
Purity	99.9%
Density	4.10g/cm ³
Evaporation Source	E-beam
Application	Cold light film, filter, decorative film, high reflective film

3. Field Application

Application Area	Application Component
Cold light film	Display screen
Filter	Glass
Decorative film	Glowing paint
High reflective film	