

ZnS 99.99% 1.0-5.0mm 500g - 0481414

Specifications

Coating material	Zinc sulfide
Purity	99.99%
Form	Granulate
Dimensions	1.0 - 5.0 mm
Quantity	500 g
Theoretical density at 20°C in g/cm ³	4.1
Melting point in °C	1850 (10 at)

Temperature at vapor pressure

10 ⁻² mbar in °C	950
10 ⁻¹ mbar in °C	1070
Boiling point in °C	1665

Type of evaporation

Sublimation	Good
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Evaporation source (typically)

E-gun

Liner material

Mo	Good
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Boat

Boat material

Mo	Good
Ta	Good

Substrate temperature range

< 100 °C	Good
100 - 200 °C	Possible

Film transparency

Low	0.4
High	14

Film refractive index n / extinction coefficient k

at 550 nm: n	2.39
at 550 nm: k	3.85
at 10 µm: n	2.22
at 10 µm: k	1 E-5(10.33µm)