

SiO 99.9% 0.7-1.5mm 500g - 0481289

Specifications

Coating material	Silicon monoxide
Purity	99.9%
Form	Granulate
Dimensions	0.7 - 1.5 mm
Quantity	500 g
Theoretical density at 20°C in g/cm ³	2.1
Melting point in °C	~ 1700

Temperature at vapor pressure

10 ⁻² mbar in °C	1080
10 ⁻¹ mbar in °C	1180
Boiling point in °C	1880

Evaporation source (typically)

E-gun

Liner material

W	Good
Mo	Good

Boat

Boat material

Mo	Good
Ta	Good

Specific evaporation conditions

Reactive gas pressure	Possible
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Substrate temperature range

< 100 °C	Good
100 - 200 °C	Good
200 - 300 °C	Good

Film transparency

Low	0.40.7
High	8

Film refractive index n / extinction coefficient k

at 550 nm: n	1.5-1.6 1.8-1.9
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