

ZrO₂ 99.3% Ø17.5x5mm 500g - 0489349

Specifications

Coating material	Zirconium dioxide grey-black
Purity	99.3%
Form	Tablet
Dimensions	Ø 17.5 x 5 mm
Quantity	500 g
Theoretical density at 20°C in g/cm ³	5.6
Melting point in °C	2700-2875

Temperature at vapor pressure

10 ⁻² mbar in °C	2400
10 ⁻¹ mbar in °C	2600
Boiling point in °C	4300-5000

Type of evaporation

Melting	Possible
Sublimation	Good

Evaporation source (typically)

E-gun

Boat

Boat material

W	Possible
Mo	Good

Specific evaporation conditions

Preparation of base melt (premelt)	Possible
Reactive gas pressure	Good

Substrate temperature range

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

Ion or plasma assistance

possible	Good
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Film transparency

Low	0.23
High	7

Film refractive index n / extinction coefficient k

at 550 nm: n	1.92-2.07
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