

# Al<sub>2</sub>O<sub>3</sub> 99.98% Ø12.5x7mm 500g - 0481229

## Specifications

Coating material	Aluminium oxide
Purity	99.98%
Form	Tablet
Dimensions	Ø 12.5 x 7 mm
Quantity	500 g
Theoretical density at 20°C in g/cm <sup>3</sup>	~ 4.0
Melting point in °C	2000-2072

## Temperature at vapor pressure

10 <sup>-2</sup> mbar in °C	2050
10 <sup>-1</sup> mbar in °C	2200
Boiling point in °C	2920-3040

## Type of evaporation

Melting	Good
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## Evaporation source (typically)

E-gun

Boat

Boat material

Mo	Good
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## Specific evaporation conditions

Preparation of base melt (pre-melt)	Good
Reactive gas pressure	Good

## Substrate temperature range

100 - 200 °C	Good
200 - 300 °C	Good

## Film transparency

Low	~ 0.19
High	~ 7

## Film refractive index n / extinction coefficient k

at 550 nm: n	1.60-1.68
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