

Au 99.99% Ø30x5mm (ca. 68g) - P0481710

Specifications

Coating material	Gold
Purity	99.99%
Form	Disc
Dimensions	Ø 30 x 5 mm, approx. 68 g
Quantity	1 pc
Theoretical density at 20°C in g/cm ³	18.9
Melting point in °C	1064

Temperature at vapor pressure

10 ⁻² mbar in °C	1400
10 ⁻¹ mbar in °C	1570
Boiling point in °C	2856

Type of evaporation

Melting	Good
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Evaporation source (typically)

E-gun

Directly from Cu crucible	Good
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Liner material

W	Possible
Mo	Possible
Ta	Good
C	Good

Boat

Boat material

W	Good
Mo	Good

Specific evaporation conditions

Preparation of base melt (premelt)	Good
Low residual pressure	Good

Film refractive index n / extinction coefficient k

at 550 nm: n	0.3-0.4
at 550 nm: k	~ 2.5-2.9
at 10 μm : n	12.24
at 10 μm : k	~ 54.7(~ 9.9 μm)