

Evaporation Material

99.999 %

SCOPE: A variety of shapes, such as discs, wires, slugs etc. have been established to serve different PVD applications. Precious metal alloys are available, but the enrichment of one element based on different vapor pressures of the individual constituents is well known and needs to be addressed during process design.

Compositions of the common precious metal alloys

Ag	*
Al	*
Au	*
AuAs0,4	*
AuGe1	* only limited sizes available
AuGe2	*
AuGe3	*
AuGe12	*
AuSb0,5	*
AuSb1	*
AuSn20	*
Pt	99,99 %
Pd	99,98 %

* total metallic impurities in matrix < 10 ppm

Packaging

All evaporation materials are vacuum sealed in polyethylene bags, guaranteeing consistent performance, even when stored for a longer period of time.

Overview of Umicore evaporation materials



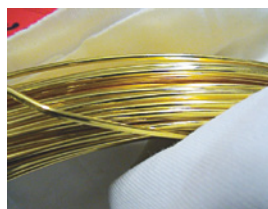
Au 5N \varnothing 20 x 1,5 mm discs



Au 5N 6 x 12 mm slugs



AuAs 0,4% \varnothing 5 x 11,1 mm slugs



Au 5N \varnothing 2,0 mm wire



Ag 5N \varnothing 13,5 x 25 mm slugs



Pt \varnothing 6 x 12 mm slugs

Dimensions

Common dimensions are:

Wire

Diameter from 0,5 mm to 2,0 mm, various also in 3,00–6,00 mm

Slug

Dia minimum 2,0 mm Length from 5,0 mm to 25 mm (depending on the composition)

Special forms possible

For alloys, which are not listed here, please contact us.



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