

Evaporation Materials: Metals

Our evaporation materials are available as granules with size from 1mm, pellets with diameter from 5mm, targets with size up to 1,000mm. They are suitable for both electron- and ion-beam evaporation as well as ion beam sputtering. The parameters in the table below are approximate and depend on the sinter and application conditions.

material	density, g/cm ³ approx.	reflection at AOI 0°	standard size*	price, EUR/kg
Ag silver	10.5	400nm...12.5µm 96%...100%	dia 18 x 10mm granules 1-6mm	by request
Al aluminium	2.7	140nm...15µm 87%...92%	dia 18 x 10mm granules 1-6mm	270
Au gold	19.3	600nm...15µm 93%...99%	dia 18 x 10mm granules 1-6mm	by request
Cr chromium	7.2	190nm...2µm 35%...69%	dia 18 x 10mm granules 1-6mm	170
Cr-SiO cermet			dia 18 x 10mm granules 1-6mm	190
Cu copper	9.8	600nm...12.5µm 96%...99%	dia 18 x 10mm granules 1-6mm	210
Ge germanium	5.4	2µm...15µm 36%...37%	dia 18 x 10mm granules 1-6mm	3,139
In indium	7.3	500nm...10µm 88%...97%	granules 3-5mm	710
Mo molybdenum	10.3	1.7µm...15µm 90%...98%	dia 18 x 10mm granules 1-6mm	570
Ni nickel	8.9	4µm...12.5µm 92%...98%	dia 18 x 10mm granules 1-6mm	810
Si silicon	2.3	1µm...8µm 30%	dia 18 x 10mm granules 1-6mm	430
Ti titanium	4.5	7µm...10µm 91%...92%	dia 18 x 10mm granules 1-6mm	190
Zr zirconium	6.5	7µm...15µm 90%...94%	dia 18 x 10mm granules 1-6mm	300

* other forms and sizes are possible as well
recommended crystalline quartz deposition monitors:
- with silver as electrode material (choice 1)
- with gold as electrode material (choice 2)