

Sputtering Targets for Thin Film Deposition

Standard Sputtering Target Materials

Our sputtering targets are used for many Physical Vapor Deposition (PVD) applications in a variety of industries.

A selection of our standard target materials is listed below with the respective standard purity, other materials are available upon request. Umicore has the knowledge and resources to work with you on special materials needed for your unique deposition needs.

<p>General ICs Backend UBM, RDL, BSM, Wafer bonding</p> <p>Al (alloys) Ag Au Cu Ge Ni (alloys) Ti WTi</p>	<p>LED, Laser Diodes packaging</p> <p>Au Al GaZnO Pt Si WTi</p>
<p>MEMS, Sensor, Passives</p> <p>Al AlSc Hf Nb NiCr NiFe Si Ta</p>	<p>Thin Film Batteries</p> <p>LiCoO₂ Li₃PO₄</p>

Sputtering targets can be produced for of the most common sputter tool OEMs such as Evatec, Applied Materials, SPTS, Ulvac and many more.

STANDARD TARGET MATERIALS

Standard target materials with the respective standard purity

Alloys		Metals		Non-metals		Precious metals	
AlCu0.5	5N5	Al	up to 5N5	GaZnO (ZnO/Ga ₂ O ₃)	3N	Ag	4N
AlCu4	5N5	Cr	3N5			Au	4N
AlSc	3N	Cu	up to 6N	Ge	5N, various doping	AuZn3	4N
AlSi0.5	5N5	Nb	3N			Pt	4N
AlSi1	5N5	Ni	3N5	Si	up to 6N, various doping		
AlSi1Cu0.5	5N5	Sn	4N5				
NiCr20	3N	Ta	up to 4N				
NiFe21.5	3N	Ti	up to 4N5				
NiFe55	3N	W	up to 5N				
NiV7	3N5						
WTi10	4N5						

Umicore Thin Film Products

UMICORE THIN FILM PRODUCTS (TFP), A GLOBALLY ACTIVE BUSINESS LINE WITHIN THE UMICORE GROUP, IS ONE OF THE LEADING PRODUCERS OF COATING MATERIALS FOR PHYSICAL VAPOR DEPOSITION (PVD) WITH MORE THAN 60 YEARS OF EXPERIENCE IN THIS FIELD. OUR MICROELECTRONICS PORTFOLIO COVERS A WIDE RANGE OF HIGHLY EFFECTIVE SPUTTERING TARGETS AND EVAPORATION MATERIALS.

Please find your local sales partner at: www.eom.umicore.com/tfp

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