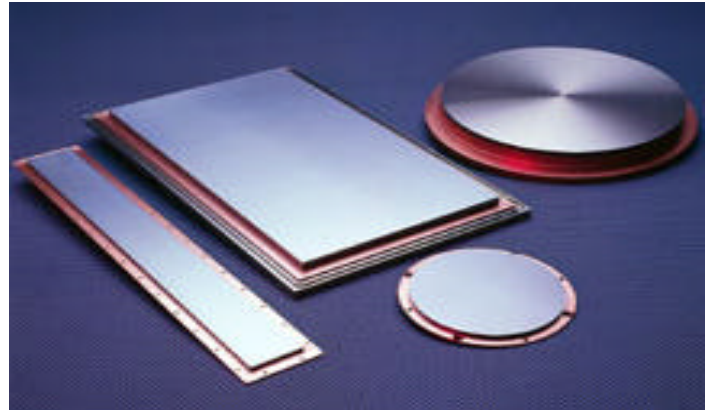


AIM SPUTTERING MATERIALS

AIM manufactures a range of indium based materials for vacuum deposition of transparent conductors on polyester and glass substrates.



Configurations include:

- *Ingot*
- *Planar Sputter Targets*
- *Evaporation sources / pellets*

These PVD materials are available in the following compositions:

Composition	Purity	Forms
Pure Indium	99.99 to 99.9999%	Ingot, Targets, Pellets
90In / 10Sn	99.99 to 99.999%	Ingot, Targets, Pellets
91In / 9Sn	99.99 to 99.999%	Ingot, Targets, Pellets
95In / 5Sn	99.99 to 99.999%	Ingot, Targets, Pellets
98.5Sn / 1.5Sb	99.99% to 99.999%	Ingot, Targets, Pellets
90In ² O ³ 10SnO ² (wt.%)	99.99%	Targets, Pellets
ZnO	99.99%	Targets, Pellets

90/10 ITO: 99% Dense Sintered ITO Properties

Density (g/cm ³)	Relative Density	Bulk Resistivity (m(ohm)cm)	Film Resistivity (x10 ⁻⁴ (ohm)cm)	Mobility (cm ² /V.sec)	Carrier Concentration	Transmittance (%) @ 550nm
>7.1	>99%	0.13+/-0.03	1.43	36.4	12	96.5

Metallic targets are available as custom machined plates that are bonded on to customer supplied copper backing plates. Indium compositions may also be cast directly into customer specified backing plates. Ceramic ITO targets are available in densities up to 7.10g/cm³.



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