

HIGH PURITY INDIUM AND INDIUM ALLOYS



AIM is a leading supplier of high purity indium solders, compounds and chemicals used in a broad range of applications. AIM's indium products include:



- **SOLDERS**

- Paste, Wire, Preforms, Foil, Ribbon, Spheres

- **CHEMICALS & COMPOUNDS**

- Acetate, Oxide, Hydroxide, Sulfate, Sulphamate, Trichloride

- **TARGETS**

- Sputtering Target Form or as an Evaporation Source.

AIM's Indium Metals and Solder Preforms are available in a variety of sizes & configurations determined by the customer's requirements. Indium alloys are a good choice when soldering gold surfaces when the gold has to remain intact.

These alloys show excellent fatigue resistance when thermal mismatches are encountered. Indium alloys have a range of melting points, the lowest being the indium/tin eutectic alloy, which melts at 118°C. The chart below lists a selection of AIM's most commonly specified indium solder alloys:

Alloy	Ag	In	Pb	Sn	Melting Point °C	Density lb/in ³
In 99		99.9			156	.2639
In 80	5	80	15		142-149	.2834
In 70		70	30		165-175	.2956
In 60		60	40		173-181	.3072
In 52		52		48	118	.2635
In 50		50	50		178-210	.3198
In 40		40	60		195-225	.3355
In 30		30	70		245-260	.3590
In 26		26	36.5	37.5	134-181	.3040
In 25		25	75		226-228	.3599
In 20		20	26	54	130-154	.2950
In 19		19	81		270-280	.3707

Whatever your application, AIM has the indium based products and technical support necessary to fulfill your most stringent requirements.

For additional information please contact AIM at
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or visit us on the web at
www.aimsolder.com