



TECHNICAL DATA SHEET

CATEGORY:
NAME:

ALLOY
63SN/37PB ELECTROPURE™

FEATURES

- HIGH PURITY
- CAN REDUCE DROSSING
- MELTING TEMPERATURE - 183°C
- EXCEEDS IPC-J-STD-006 SPECIFICATIONS

DESCRIPTION

63Sn/37Pb Electropure™ is a high purity alloy that is composed of 63% tin and 37% lead. Electropure™ is alloyed in a proprietary method that results in a low drossing, high wetting solder. The Electropure™ process reduces suspended oxides in the solder, thus reducing drossing, improving flow, and reducing bridging during soldering. 63Sn/37Pb is a eutectic alloy with a melting point of 183°C (361°F). Typical applications are wave soldering and plating where 63Sn/37Pb is primarily used as a coating for corrosion protection, and as a base for soldering. This alloy is available in bar, solid and cored wire, foil, spheres, preforms, powder, solder paste, ingot, and anode form.

TYPICAL ANALYSIS of AIM ELECTROPURE™ Sn63/Pb37 BAR SOLDER in Percent

Ag: 0.002	Au: 0.001	Cu: 0.005	Ni: 0.002
Al: 0.001	Bi: 0.020	Fe: 0.002	Sb: 0.015
As: 0.015	Cd: 0.001	In: 0.001	Zn: 0.002

MAJOR ALLOY INGREDIENTS in Percent

Sn 63% ± .50%	Pb Remainder
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HANDLING

- This product contains lead, which is known to be a toxic element. Consult the **Material Safety Data Sheet** for specific handling procedures.

FLUX COMPATIBILITY

- 67/37 Electropure™ is compatible with most electronic grade fluxes.

CLEANING

- Refer to data sheets provided by the flux manufacturer.

SAFETY

- Use with adequate ventilation and proper personal protective equipment.
- Refer to the accompanying **Material Safety Data Sheet** for any specific emergency information.
- Do not dispose of any hazardous materials in non-approved containers.

The information contained herein is based on data considered accurate and is offered at no charge. No warranty is expressed or implied regarding the accuracy of this data. Liability is expressly disclaimed for any loss or injury arising out of the use of this information or the use of any materials designated.

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Manufacturing and Distribution Worldwide

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