



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.