TECHNICAL DATA SHEET

CATEGORY: ALLOY TIN-LEAD
NAME: 63Sn/37Pb

FEATURES

- Reduces production cost.
- Minimices drossing.
- Solders at lower temperature.
- Melting Point is 183º C
- Compatible with all Flux Types
- Pot temperature: 265-270ºC

DESCRIPTION

63Sn/37Pb is a high purity alloy that is composed of 63% tin and 37% lead. 63Sn/37Pb is alloyed in a propietary method that results in a low drossing, high wetting solder. The 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 183ºC (361ºF). 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, performs, powder, solder paste, ingot, and anode form.

All CRM alloys are manufactured with virgin metals which meet the high standards. The purity level exceeds the industry requirements for allowable impurity levels which helps control dross levels.

APPLICATION

This alloy is suitable for different plating and soldering processes.

AVAILABILITY

This alloy is available in solder bar, chunks, pellets, solder wire, cored solder wire and sticks.

TYPICAL ANALYSIS

MAXIMUN IMPURITIES LEVELS (%)			
Ag: 0,10	Au : 0,05	Cu: 0,08	Ni : 0,01
Al : 0,001	Bi : 0,10	Fe : 0,02	Sb: 0,20
As: 0,03	Cd: 0,002	In : 0,10	Zn: 0,003

PRINCIPALS ALLOY ELEMENTS (%)	
Sn: 63% ± 0.5	Pb: remainder

PROPIERTIES

ALLOY	SN63/PB37
MELTING POINT	183 ºC
DENSITY	8.8 g/cm3
TENSILE STRENGTH	67 MPa
ELONGATION	37 %
COEFFICIENT OF THERMAL EXPANSION	21.6
YOUNG´S MODULUS	31.5

HANDLLING

View the safety data sheet to identify the risks of handling.