



# TECHNICAL DATA SHEET

CATEGORY: **ALLOY**  
 NAME: **40Sn/60Pb**

## FEATURES

- HIGH PURITY
- MELTING TEMPERATURE - 183°C-247°C

## DESCRIPTION

40Sn/60Pb is composed of 40% Tin, and 60% Lead. This is a high purity alloy suitable for high temperature/high reliability interconnect applications with a melting point of 183°C – 247°C. 40Sn/60Pb typically is used in electronic assembly and high-temperature soldering applications. This alloy is available in solder paste, solid and cored wire, foil, preforms, powder, bar, ingot, and anode.

### IMPURITY LEVELS TO IPC-JSTD-006 in Percent

Ag: 0.05	Au: 0.05	Cu: 0.08	Ni: 0.01
Al: 0.005	Bi: 0.10	Fe: 0.02	Sb: 0.05
As: 0.03	Cd: 0.002	In: 0.10	Zn: 0.003

### MAJOR ALLOY INGREDIENTS in Percent

Sn 40% ± .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

- 60/40 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.

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