

Sn100-1100

Lead-free Pure Tin Solder Bar

Sn100-1100 Lead-free solder bar is mainly made of high-purity tin, refined by using the most advanced professional equipment of lead-free solder and excellent technology through special process. It is an environmentally friendly lead - free solder bar with excellent welding performance in lead-free process.

FEATURES

- Less metal impurity and low oxide content and high purity.
- After molten in liquid surface smooth, level off, low viscosity, excellent liquidity.
- Unique high oxidation performance of tin slag quantity is few.
- Good wettability, surface tension is small, easy to tin, bright sport, full, welding quality is stable and reliable
- Green environmental protection products, in line with RoHS environmental protection requirements, etc.

APPLICATION

Sn100-1100 Lead-free solder bar is widely applied to communications equipment, instrumentation equipment, audio and video multimedia equipment, automotive industry, household electrical and electronic equipment and other electronic products of wave soldering reliability, precision welding and special welding technology, such as manual welding and automatic welding, such as spraying, electroplating.

TYPICAL PROPERTIES

| Items | Technical parameter | Standards |
|-----------------------------|---|-----------------------------|
| Part number | Sn100-1100 | / |
| Metal alloy | Sn | / |
| Appearance | Silver white, Trapezoidal cross of strip casting alloys | Visual inspection |
| Melting point (°C) | 232 | GB/T20422-2006 |
| Density(g/cm ³) | 7.3 | GB/T20422-2006 |
| RoHS compliance | PASS | RoHS |
| Guarantee period | 2 years | From the date of production |
| Packaging | 20kg/box 1kg/Bar | / |

ALLOY COMPOSITION

| No. | Items | CAS No. | Content(%) |
|------------------------------------|---------------|-----------|------------|
| Main alloy composition and content | | | |
| 1 | Tin (Sn) | 7440-31-5 | ≥ 99.90 |
| Impurity composition and content | | | |
| 2 | Silver (Ag) | 7440-22-4 | ≤0.10 |
| 3 | Lead (Pb) | 7439-92-1 | ≤0.10 |
| 4 | Iron (Fe) | 7439-89-6 | ≤0.02 |
| 5 | Bismuth (Bi) | 7440-69-9 | ≤0.10 |
| 6 | Stibium(Sb) | 7440-36-0 | ≤0.10 |
| 7 | Indium(In) | 7440-74-6 | ≤0.10 |
| 8 | Zincum (Zn) | 7440-66-6 | ≤0.001 |
| 9 | Aurum (Au) | 7440-57-5 | ≤0.05 |
| 10 | Nickel (Ni) | 7440-02-0 | ≤0.010 |
| 11 | Aluminum (Al) | 7429-90-5 | ≤0.001 |
| 12 | Cadmium (Cd) | 7440-43-9 | ≤0.002 |
| 13 | Arsenic (As) | 7440-38-2 | ≤0.03 |
| 14 | Copper (Cu) | 7440-50-8 | ≤0.05 |

APPLICATION GUIDE

- It will cause impact on composition of alloys in terms of using wetting solder for the reason of oxidation, soldering of PCB and components. After using for time, the composition of alloys will be changed, and that will lead to decline the mechanical performance and solderability of solder, so the composition of solder alloys should be adjusted regularly by using pure tin. (Advice: every 10-15 day per time).
- Soldering temperature is about 260--280°C (Furnace inside practical testing temperature)

The data contained in this bulletin is provided only as a guide for evaluation/consideration. These material characteristics are typical properties that are based on a limited number of samples tested in the laboratory. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any product or method. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide.