

SnAg4.0 Lead Free Solder Alloy



Product Description

SnAg4.0 is one of the high-performing Pb-free solder available in the industry. It can be used in wave soldering as well as dipping and HASL applications. It is available in the forms of solder bars and solder wires.

Application

SnAg4.0 can be used for wave soldering, dipping and HASL processes. The operating temperature should be set > 260°C, depending on applications.

Top-up Solder

SnAg4.0 is recommended as top-up solder.

Storage

Store the solder bar in a cool, dry and non-corrosive environment. Wrap up the solder bar when not in use to reduce exposure to environment. Solder bar can be kept for 5 years if proper storage conditions are observed.

Health & Safety

The product when use or handling maybe hazardous to health or environment. Please refer to Material Safety Data Sheet for more information.

Packaging

Solder Bar: 25kg per box, Solid Wire: 20kg per roll (Diameter: 0.25, 0.3, 0.4, 0.5, 0.6, 0.8, 1.0, 1.2, 1.6, 2.0 and 3.0 mm). For any other packaging requirements, please refer to the sales department.

Specification

| Item | Result |
|---------------------------|------------------------|
| Alloy Melting Temperature | 220°C |
| DSC at 5 °C/min | |
| Density | 7.39 g/cm ³ |
| Water Displacement Method | |

Alloy Composition

| Main Composition | | JIS Z 3282:1999 Specs (wt%) |
|----------------------|----|-----------------------------|
| Tin | Sn | Remainder |
| Silver | Ag | 3.5 - 4.0 |
| Contamination | | |
| Lead | Pb | 0.05 max |
| Antimony | Sb | 0.10 max |
| Bismuth | Bi | 0.10 max |
| Copper | Cu | 0.05 max |
| Aluminium | Al | 0.002 max |
| Arsenic | As | 0.03 max |
| Cadmium | Cd | 0.002 max |
| Iron | Fe | 0.02 max |
| Zinc | Zn | 0.002 max |

DISCLAIMER OF LIABILITY

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