

## SnCu4.0 Lead Free Solder Alloy



### Product Description

SnCu4.0 is effective solder alloy to minimize copper dissolution. Suitable to use on wire dipping as small as 0.03 mm. Our years of manufacturing experience has enabled us to precisely control and set stringent operating parameters to produce high quality bars.

### Application

SnCu4.0 can be used for dipping processes. The operating temperature should be set > 400°C, depending on applications.

### Top-up Solder

SnCu4.0 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

### Specification

Item	Result
Alloy Melting Temperature	228 - 340°C
DSC at 5 °C/min	
Density	7.36 g/cm <sup>3</sup>
Water Displacement Method	

### Alloy Composition

Main Composition		Asahi Specs (wt%)
Tin	Sn	Remainder
Copper	Cu	4.0 +/- 0.5
<b>Contamination</b>		
Lead	Pb	0.05 max
Antimony	Sb	0.05 max
Bismuth	Bi	0.10 max
Silver	Ag	0.10 max
Aluminium	Al	0.001 max
Arsenic	As	0.03 max
Cadmium	Cd	0.002 max
Iron	Fe	0.02 max
Zinc	Zn	0.003 max
Indium	In	0.100 max

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