

## SN11 Lead Free Solder Alloy



### Product Description

SN11 is a lead free alloy suitable for use in the hot air soldering process. Our years of manufacturing experience has enabled us to precisely control and set stringent operating parameters to produce high quality bars.

### Application

SN11 is suitable for use in both horizontal and vertical HASL processes. The operating temperature should be set > 260°C, depending on applications.

### Top-up Solder

SN10 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	227°C
DSC at 5 °C/min	
Density	7.31 g/cm <sup>3</sup>
Water Displacement Method	

### Alloy Composition

Main Composition		Asahi Specs (wt%)
Tin	Sn	Remainder
Copper	Cu	0.6 +/- 0.2
Nickel	Ni	0.1 +/- 0.02
<b>Contamination</b>		
Silver	Ag	0.05 max
Aluminium	Al	0.002 max
Arsenic	As	0.03 max
Bismuth	Bi	0.03 max
Cadmium	Cd	0.002 max
Iron	Fe	0.02 max
Indium	In	0.03 max
Lead	Pb	0.05 max
Antimony	Sb	0.05 max
Zinc	Zn	0.002 max

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