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Language	English
SDS	950103



## SUMMARY

Alloy Pb96Sn2Ag2 is a high lead content special soft alloy for high temperature applications in selective soldering and dip tinning.

ALLOY	Pb96Sn2Ag2
<b>PROCESS</b>	
Leadfree	1
Leaded	9
First filling*	9
Refilling*	9

\*follow Application Note

INDUSTRY APPLICATION	
Standard electronics	9
Industrial electronics	9
Hi-Rel electronics (automotive)	9

PROCESS CAPABILITY	
Wave soldering	4
Selective soldering	4
Dip soldering	8
Wire tinning	9
Process: Ambient	8
Process: N2 partial	9
Process: N2 vull tunnel	9
Reduces dross	8
Reduces bridging	9
Improves PTH filling	8
Shiny joint appearance	6

Legend	
<i>Especially made for this purpose</i>	9 - 10
<i>Generally qualified for this purpose</i>	7 - 8
<i>Generally usable, but not the best choice</i>	5 - 6
<i>Generally not usable for this purpose</i>	3 - 4
<i>Wrong choice</i>	1 - 2

Check material compatibility with every process change.

Read AN before use.

Read MSDS before use.

Product contains SVHC substance Lead with more than 0,1 Mass%.

## Disclaimer:

This information is intended as advice to the best of our knowledge. The provided data is based on our own measurements, they do not provide any guaranteed properties nor are these delivery specifications. Due to the versatility of materials, applications and taking in consideration the industrial property rights of third parties, Balver Zinn Josef Jost GmbH & Co. KG cannot take any liability.

PROPERTIES	
Manufacturing standard	WBZ. Weichlote
Alloy Code	Pb96Sn2Ag2
Alloy composition	Pb96Sn2Ag2
ANSI/J-STD-006C: 2013	compliant
DIN EN ISO 9453:2021-01	-
Liquidus	[°C] 304
Solidus	[°C] 299
Recommended working range*	[°C] 400 - 550

\*follow Application Note

COMPOSITION	
Lead	[Pb] Remainder
Tin	[Sn] 1.8 - 2.2
Silver	[Ag] 1.8 - 2.2
Phosphorus	[P] -
Copper	[Cu] max. 0.05
Nickel	[Ni] -
Aluminium	[Al] max. 0.001
Arsenic	[As] max. 0.03
Gold	[Au] -
Bismuth	[Bi] max. 0.1
Cadmium	[Cd] max. 0.001
Iron	[Fe] max. 0.02
Indium	[In] max. 0.05
Antimony	[Sb] max. 0.1
Zinc	[Zn] max. 0.001

SHAPE AND DIMENSION*			
Ingot	1 kg	LxWxH [mm]	-
Ingot with loop	3.7 kg	LxWxH [mm]	-
	4 kg	LxWxH [mm]	-
Bar	Rectangle	[mm]	-
	Triangular	[mm]	400x10x10
Pellet		[mm]	-
Solid wire	ø	[mm]	1.0 - 6.0

\*other dimensions on request