Product data sheet

BALVER ZINN®

Pb96Sn2Ag2

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Language English

SDS 950108

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SUMMARY

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

ALLOY	Pb96Sn2Ag2
PROCESS	
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	
Especially made for this purpose	9 - 10
Generally qualified for this purpose	7 - 8
Generally usable, but not the best choice	5 - 6
Generally not usable for this purpose	3 - 4
Wrong choice	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%.

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	⌀	[mm]	1.0 - 6.0

*other dimensions on request