

SnSbCu-Babbitt

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SDS 950007



SUMMARY

Plain bearing metal with excellent emergency running properties and high load-bearing capacities.
Tin-antimony-copper (SnSbCu) alloys in particular are characterised by high strength and emergency lubrication properties.

ALLOY	SnSbCu-Babbitt
PROCESS	
corrosion protection	6
Wear Protection	8
INDUSTRY APPLICATION	
Soluble anode	1
Insoluble anode	1

PROCESS CAPABILITY	
Flame spraying	9
Arc Spraying	9
Plain Bearing Process	9
Capacitor contacting	9
Electroplating	1
Dissolution Behaviour	1
Cast / Cast-in suspension	1
Soldered suspension (copper)	1

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

PROPERTIES	
Manufacturing standard	WBZ: Spritzdraht 2014-03
Alloy Code	SnSbCu (SnCu. SnSb)
Alloy composition	SnSb7.5Cu3.5

COMPOSITION		
Tin	[Sn]	Remainder
Antimony	[Sb]	7.5
Copper	[Cu]	3.5
Silver	[Ag]	N/A
Aluminum	[Al]	max 0.01
Arsenic	[As]	max. 0.10
Bismuth	[Bi]	max. 0.08
Cadmium	[Cd]	max. 0.002
Iron	[Fe]	max 0.01
Lead	[Pb]	max. 0.10
Zinc	[Zn]	max.0.01
0	[]	max.0.20

DELIVERY FORM*		*other dimensions on request
Solid wire	Ø [mm]	1.0 - 6.0

Check material compatibility with every process change!

Read AN before use.

Read MSDS before use.

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.