

SnSbCu Babbitt

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Language	English
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
Dissolution Behaviour	1
Cast / Cast-in suspension	1
Soldered suspension (copper)	1
Insulation possible	1

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

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.

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