

Date	2021.11.10
Language	English
SDS	950001



SUMMARY

Soluble pure tin anodes are suitable for use in tin electroplating and are available as bulk material as well as billets and plates.

ALLOY	Sn99.9-Anode
PROCESS	
corrosion protection	7
Wear Protection	6

INDUSTRY APPLICATION	
Soluble anode	9
Insoluble anode	1

PROCESS CAPABILITY	
Flame spraying	1
Arc Spraying	1
Plain Bearing Process	6
Capacitor contacting	1
Electroplating	9
Dissolution Behaviour	9
Cast / Cast-in suspension	9
Soldered suspension (copper)	2

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.

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: Reinzinn 2012-12
Alloy Code	Sn Anode
Alloy composition	Sn99.9

COMPOSITION		
Tin	[Sn]	min. 99.9
Silver	[Ag]	max. 0.04
Aluminum	[Al]	max. 0.001
Arsenic	[As]	max. 0.03
Gold	[Au]	max. 0.04
Bismuth	[Bi]	max. 0.03
Cadmium	[Cd]	max. 0.001
Copper	[Cu]	max. 0.03
Iron	[Fe]	max. 0.01
Indium	[In]	max. 0.03
Nickel	[Ni]	max. 0.01
Lead	[Pb]	max.0.05

DELIVERY FORM*			*other dimensions on request
Plates	LxBxH [mm]	600-1000 x 200 x 10	
Billets	LxBxH [mm]	100-1250 x 85 x 60	
Spheres	Ø [mm]	50	
Pellets	Ø [mm]	12 x 25	
Solid wire	Ø [mm]	-	
Round solid	Ø [mm]	-	
Tube	Ø Outer [mm]	-	
	Ø Inner [mm]	-	
Ribbon	Width [mm]	5 - 40	
Length (round solid, tube, ribbon)	Length [mm]	100 - 6000	