Product data sheet

BALVER ZINN®

WM89

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Language English

SDS 950007

BALVERZINN.COM

SUMMARY

This bearing metal has been specially developed for a customer-specific application.
Applicable as a bearing material or as a solder layer in flame and arc spraying.

ALLOY	WM89
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	
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

PROPERTIES	
Manufacturing standard	SMS-WM89
Alloy Code	SMS-WM89
Alloy composition	SnSb7.5Cu3.5

COMPOSITION		
Tin	[Sn]	Remainder
Antimony	[Sb]	7.5
Copper	[Cu]	3.5
Zinc	[Zn]	max.0.10
Silver	[Ag]	max. 0.10
Nickel	[Ni]	max. 0.06
Cadmium	[Cd]	max. 0.03
Lead	[Pb]	max. 0.06
Arsenic	[As]	max. 0.10
Bismuth	[Bi]	max. 0.08
Iron	[Fe]	max 0.03
Aluminum	[Al]	max 0.10

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.