

Bleilegierungsanode_lead-ed-anode

Rev: 21.11

Date 2021.11.10
Language English
SDS -



SUMMARY

Chromium bath anodes according to customer specifications.
Lead alloy anodes are insoluble anodes and are used in a wide range of applications, such as chrome plating and electroplating. The anodes are available with or without copper contacts on request. The contacts can also be insulated as an option

ALLOY Bleilegierungsanode_lead-ed-anode

| PROCESS | |
|----------------------|---|
| corrosion protection | 9 |
| Wear Protection | 9 |

INDUSTRY APPLICATION

| | |
|-----------------|---|
| Soluble anode | 1 |
| Insoluble anode | 9 |

PROCESS CAPABILITY

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

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.

Product contains SVHC substance Lead with more than 0,1 Mass%.

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: Pb-Anoden 2007 |
| Alloy Code | PbSn, PbSb, PbSbAg, PbSnAg, PbSnSb |
| Alloy composition | Pb93Sn7* |

*other composition on request

COMPOSITION

| | | |
|----------|------|------------|
| Lead | [Pb] | Remainder |
| Tin | [Sn] | 6.5 - 7.5 |
| Silver | [Ag] | max. 0.10 |
| Antimony | [Sb] | max. 0.50 |
| Arsenic | [As] | max 0.03 |
| Bismuth | [Bi] | max. 0.10 |
| Cadmium | [Cd] | max. 0.002 |
| Copper | [Cu] | max. 0.08 |
| Iron | [Fe] | max. 0.02 |
| Indium | [In] | max. 0.10 |
| Nickel | [Ni] | max. 0.01 |
| Zinc | [Zn] | max. 0.001 |

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] | 1.0 - 6.0 |
| Round solid | Ø [mm] | 5 - 50 |
| Tube | Ø Outer [mm] | 13 - 55 |
| | Ø Inner [mm] | 10 - 40 |
| Ribbon | Width [mm] | 5 - 40 |
| Length (round solid, tube, ribbon) | Length [mm] | 100 - 6000 |