



Product Information

FELDER Bearing Metal PbSb14Sn9CuAs

Leaded bearing metal PbSb14Sn9CuAs

Item no.: 13090055

All information about our products is the result of our long standing experience which we would like to pass on to our customers as application support. However, as we do not have any influence on the application of the works carried out with our products, please see the warranty claims in our conditions of sale because our liability is limited.

This product information does not constitute warranted properties.

Description

The **FELDER Bearing Metal PbSb14Sn9CuAs** is particularly suitable for the highest demands on sliding properties and loads. Areas of application include bearings of piston compressors, impact mills e.g., in the lime and cement industry and overburden and coal wagons. **FELDER Bearing Metal PbSb14Sn9CuAs** can be soldered on Cu-Zn-Sn-based alloys (gunmetal), cast steel and with an intermediate layer also on GJL (cast iron with flake graphite).

Properties

| Alloy | Composition | Melting range | Brinell hardness HB 250/180 at | | | Density |
|-------------------------|------------------|------------------------|-----------------------------------|-------|--------|------------|
| | | | 20 °C | 50 °C | 100 °C | |
| LgPbSn9Cd (DIN 1728) | Sn 8,0 - 10,0 % | 240 - 400 °C | 26 | 21 | 14 | 9,4 kg/dm³ |
| | Sb 13,0 - 15,0 % | | | | | |
| | Cu 0,8 - 1,2 % | Casting temperature | | | | |
| | As 0,3 - 1,0 % | | | | | |
| | Cd 0,3 - 0,7 % | 480 - 520 °C | | | | |
| | Pb balance | | | | | |

Application Advice

FELDER Bearing Metal PbSb14Sn9CuAs can be used with all known applications. These are among others the centrifugal- and static casting procedure or plasma soldering. A pre-tinning of the bearing support elements is essentially for the anchoring of the bearing metal. This is carried out by dipping into a solder bath or, with larger bearings, by wipe-tinning. For this purpose we recommend the lead-free **FELDER Soft solder and tinning pastes** as well as our **Soldering oil „ST“**.

Delivery Form

8 - 10 kg blocks