

# Technical Data Sheet

## BALVER ZINN SOLDER WIRE

### SnPb LF2220 NC

Leaded cored solder wire

### General Information

**BALVER ZINN SOLDER WIRE LF2220 SnPb** is a flux cored solder wire with high flux effect for a fast, efficient hand and machine soldering. **BALVER ZINN SOLDER LF2220 NC SnPb** has a small spraying behaviour and fulfills all requirements according to IPC J-STD-004. **BALVER ZINN SOLDER WIRE LF2220 NC SnPb** is also „no-clean“ and halide-free. The standard flux content is 2.2 % and flux residues may remain on the board without cleaning. The leaded alloy **Sn63Pb37** I in accordance to **J-STD-006B!**

Details are available in the **BALVER ZINN information „5 golden rules for hand soldering.“** Technical information and Data Sheets can be found on our website ([www.BALVERZINN.com](http://www.BALVERZINN.com)). You can also obtain all information and documents directly from **BALVER ZINN**.

### BALVER ZINN Production Programme

The **BALVER ZINN** production programme also includes solder bar, solder pastes and flux. In addition to the **SN100C** product family, **BALVER ZINN** offers additional unpatented and patented solder alloys for wave soldering, reflow and rework.

### Product Properties

- Flux classified according to J-STD-004 as: **RELO**
- Solder wire classified according to EN 61190 -1-3: **RELO**

### Physical and Chemical Properties of flux LF2220 NC

<b>Acid value:</b> J-STD-004; IPC-TM-650, Method 2.3.13; 06/04 A	212 mg KOH/g ± 5%
<b>Copper mirror test:</b> J-STD-004; IPC-TM-650, Method 2.3.32; 06/04 D	L
<b>Silver chromate test:</b> J-STD-004; IPC-TM-650, Method 2.3.33; 06/04 D	passed
<b>Solid content, flux:</b> J-STD-004; IPC-TM-650, Method 2.3.34; 06/04 C	n. d.
<b>Bromide und Chloride Test:</b> J-STD-004; IPC-TM-650, Method 2.3.35; 06/04 C	n. d.
<b>Fluoride after spot test:</b> J-STD-004; IPC-TM-650, Method 2.3.35.1; 06/04 A	passed
<b>Insulation resistance:</b> J-STD-004; IPC-TM-650, Method 2.6.3.3; 06/04 B	> 1x10 E8 Ohm
<b>Corrosion test:</b> J-STD-004; IPC-TM-650, Method 2.6.15; 06/04 C	passed

### Available alloys

Alloy	Composition	Melting point (°C)
Sn60Pb40	Sn60Pb40	183 - 188
Sn60PbCu2	Sn60Pb38Cu2	183 - 190
Sn60PbAg2	Sn60Pb38Ag2	178 - 190
Sn63Pb37	Sn63Pb37	183

### Delivery Sizes

Weight	0,25 kg	0,5/1,0 kg	0,5/1,0 kg
Marking	50/28	BZ	K80
High	50 mm	80 mm	80 mm
Outside diameter	50 mm	76 mm	80 mm
Inside diameter	11 mm	30 mm	16 mm
(reels/carton)	50 reels	10 reels	10 reels

### Storage Conditions / Durability

Dry at room temperature / minimum 2 years shelf life.

### Safety Advice

Before use please refer to the appropriate **Material Safety Data Sheet**.

The information in this Data Sheet is based on data considered accurate. The measured values stated are based on own measurements, but do not represent assured properties or delivery specifications. Because of the vast number of different materials and applications – also with respect to possible protective rights of third parties – Balver Zinn Josef Jost GmbH & Co. KG **cannot** accept any liability.



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