

Electronic

BALVER ZINN[®]

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

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). 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

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

Although the information in this data sheet is considered accurate, the measured values do not represent assured properties or delivery specifications. Because of the wide range of potential materials and applications, and with respect to possible protective rights and third parties, Balver Zinn Josef Jost GmbH & Co. KG **cannot** accept any liability.

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