



General Information

BALVER ZINN SOLDER Sn63PbP is a special alloy for HASL – machines with a small amount of phosphorus to reduce the oxidation of solder. **Note:** Please don't use **BALVER ZINN SOLDER Sn63PbP** for wave soldering process, because in dependence of the machine type and nozzle type the formation of metal foam are possible.

Technical information and further Technical Data Sheets can be found on our website (www.BALVERZINN.com). And of course, 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 other unpatented and patented solder alloys for wave soldering, reflow and rework.

Physical properties of Sn63PbP

Melting point °C	183
Specific Gravity g/cm ³	8.4

Delivery size

Format	L in mm	B in mm	H in mm
Ingots	1 kg	325	28
	4 kg	300	50
Ingots with hole	3,7 kg	540	50
	6 kg	570	48
Bar 1 kg	300	30	15
Pellet	12 x 25		
Wire, solid on reel	Ø 1.0 – 6.0		

Composition of Sn63PbP

Element	Sn63PbP According to WBZ:BaTiLoy in weight- %
Sn	63 +/- 0,5
Pb	remainder
Al	max. 0,001
As	max. 0,005
Bi	max. 0,010
Cu	max. 0,005
Cd	max. 0,001
Fe	max. 0,005
P	0,0015 ~0,004
Sb	max. 0,02
Zn	Max. 0.001

Storage Conditions / Durability

Dry storage at room temperature / minimum 2 years

Safety Advice

Before using 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.



OUR GLOBAL PARTNERS FOR LEAD-FREE SOLDERS

Nihon Superior Co., Ltd
 Phone: +81(0) 6-63 80 11 21
 Fax: +81(0) 6-63 80 12 62
 E-mail: info@nihonsuperior.co.jp
 Web page: www.nihonsuperior.co.jp

DKL Metals Ltd., Avontoun Works
 Phone: +44 (0)1506-847710
 Fax: +44 (0)1506-848199
 E-mail: sales@dklmetals.co.uk
 Web page: www.dklmetals.co.uk

Florida CirTech, Inc.
 Phone: +1 (970) 346-8002
 Fax: +1 (970) 346-8331
 E-mail: b.gilbert@fctassembly.com
 Web page: www.fctassembly.com