

Electronics Technical Data Sheet

BALVER ZINN μ -wires μ -wire SN100C B2012

Lead-free cored μ -wire, No-Clean, ROLO

BALVER ZINN[®]

General Information

BALVER ZINN presents the μ -wire product family with diameters below 0.3 mm! BALVER ZINN μ -wire SN100C[®] B2012 is a halide-free, rosin based formulation and available in diameter 0.15 and 0.2 mm. BALVER ZINN μ -wire SN100C[®] B2012 is based on the Brilliant B2012 flux technology and leaves clear flux residue and shiny solder joints. μ -wire SN100C[®] B2012 gives fast and sustained wetting with low smoke and odour. The flux residues of μ -wire SN100C B2012 are non-corrosive and may remain on the board without cleaning. Correct use prolongs soldering bit lifetime.

BALVER ZINN μ -wire SN100C[®] B2012 is a "No-Clean" flux cored solder wire with a standard flux content of 2.2%.

BALVER ZINN μ -wire SN100C[®] B2012 is available with wire diameters of 0.15 and 0.2 mm lead free alloy SN100C[®]

BALVER ZINN μ -wire SN100C[®] B2012 does not contain material that conflicts with EU Directive 2011/65/EU ("RoHS II").

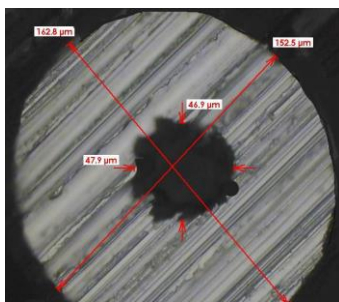
Further information is available in the BALVER ZINN document "5 Golden Rules for Hand Soldering". Technical information, and other Technical Data Sheets, are available on our website, www.BALVERZINN.com. All documentation is available directly from Balver Zinn.

BALVER ZINN Product Range

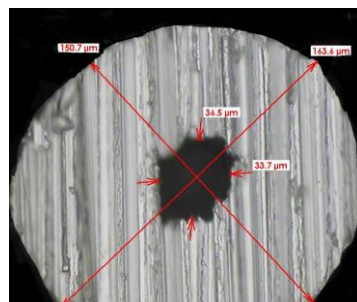
The BALVER ZINN range of products for electronics manufacture also includes solder bar, solder paste and flux. In addition to the SN100C[®] family, Balver Zinn offers other patented and un-patented solder alloys for wave soldering, reflow and rework.

Product Properties

- Flux classification to J-STD-004: **ROLO**
- Solder wire classification to EN 61190-1-3: **ROLO**
- RoHS compliant
- Bright and shiny joints with SN100C[®]
- Ensures good wetting and flow during the soldering process
- Clear, dry, non-sticky residue
- Low spattering flux



Cross section of μ -Wire B2012



Cross section of μ -Wire B2012



Typical flux residues



Flux residues of μ -Wire SN100C B2012

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Physical and Chemical Properties of BRILLIANT B2012 Flux

Acid value: J-STD-004; IPC-TM-650, Method 2.3.13; 06/04 A	220 mg KOH/g \pm 5%
Copper mirror test: J-STD-004; IPC-TM-650, Method 2.3.32; 06/04 D	L
Silver chromate paper test (qualitative): J-STD-004; IPC-TM-650, Method 2.3.33; 06/04 D	Pass
Flux solids content: J-STD-004; IPC-TM-650, Method 2.3.34; 06/04 C	Not applicable
Bromide und chloride (quantitative): J-STD-004; IPC-TM-650, Method 2.3.35; 06/04 C	Not applicable
Fluoride spot test: J-STD-004; IPC-TM-650, Method 2.3.35.1; 06/04 A	Pass
10 day copper corrosion test: J-STD-004; IPC-TM-650, Method 2.6.15; 06/04 C	Pass

Reels

Weight	1 g ca. 10m	10 g ca. 100m	100 g ca. 1000m
Label	BZ	BZ	BZ
Reels per carton	1 to 5 pieces	1 to 5 pieces	1 reel

Formats

Parameter	Standard
Wire diameter / mm	0.15; 0.2 mm
Flux content / %	2,2

Other diameters, and features on request

Physical Properties of Lead-Free Alloy SN100C[®]

μ -wire SN100C[®] B2012 is available lead-free alloy SN100C[®]

Alloy	Composition	MP/°C
SN100C [®]	SnCu0,7NiGe 50ppm	227

Storage conditions/shelf life

Dry at room temperature/minimum 2 years

Safety advice

Before use please refer to the appropriate SDS

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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