

Product data sheet

BALVER ZINN®

BSA04-XSP

Rev: 15.1

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Language English
SDS 950617



SUMMARY

Pb-free - Low melting point - No-Clean solder paste - Intrusive reflow - increased reliability

PASTE	BSA04-XSP
PROCESS	
No-Clean process	9
Post-solder cleaning	TBD

INDUSTRY APPLICATION	
Standard electronics	9
Industrial electronics	8
Hi-Rel electronics (automotive)	6

PROCESS CAPABILITY	
Squeegee	9
ProFlow	TBD
Pb-free Profile Air, short	9
Pb-free Profile Air, long	9
Pb-free process N2	9
Vapor phase process	TBD
Shiny joint appearance	8
Cosmetic cleanliness	8
ICCT compatible	9
Conformal coating	6

Legend	
<i>Especially made for this purpose</i>	9 - 10
<i>Generally qualified for this purpose</i>	7 - 8
<i>Generally usable, but not the best choice</i>	5 - 6
<i>Generally not usable for this purpose</i>	3 - 4
<i>Wrong choice</i>	1 - 2

CLASSIFICATION	
DIN-EN-ISO-9454-1: 2016	1232
IPC-J-STD-004-A: 2004	REL0
IPC-J-STD-005: 1995 (Powder)	T3
Particle size	[µm] 25-45

PROPERTIES		
Flux code	SP	
Alloy Code	BSA04	
Alloy composition	Bi57.6Sn42Ag0.4	
Liquidus	[°C]	142
Solidus	[°C]	138
Recommended peak temp.	[°C]	170-180
Acid number	[mg KOH/g]	72.2
Flux	[% w/w]	10.2
Residues	Colorless	
Tackiness Malcom TK1	JIS-Z-3284	[gf] @ 0h 100

TEST REPORTS	
IPC/ANSI-J-STD-005	Compliant
Certificate of Compliance	Website
Declaration of Conformity 2011/65/EU (RoHS)	Available
Application Note	EN/DE

Check material compatibility with every process change!

Industrial chemical product.

Read MSDS before use.

4-10 °C

PACKAGING AND STORAGE		
Packaging jar	PP [g]	500
Packaging cartridge	HDPE [g]	650
Packaging cartridge	HDPE [g]	1300
Packaging Cassette Pro-Flow	[g]	800
Minimum shelf-life in months	4-10 °C	0
Minimum shelf-life in months	4-10 °C	5

Disclaimer:

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