

## BSA04-XSP

Rev: 15.1

Date	2021.06.28
Language	English
SDS	950617



## SUMMARY

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

PASTE	BSA04-XSP
<b>PROCESS</b>	
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

Check material compatibility with every process change!

Industrial chemical product.

Read MSDS before use.

CLASSIFICATION	
DIN-EN-ISO-9454-1: 2016	1232
IPC-J-STD-004-A: 2004	RELO
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

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	5

## Disclaimer:

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