

Product	BSA04-XSP
Date	2018.05.18
Release	15.1
Language	English

Solder paste**SUMMARY**

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

PASTE	BSA04-XSP
PROCESS	
No-Clean process	5
Post-solder cleaning	TBD

INDUSTRY APPLICATION	
Consumer electronics	5
Standard industrial electronics	4
Hi-Rel electronics (automotive)	3

PROCESS CAPABILITY	
Squeegee	5
ProFlow	TBD
Pb-free Profile Air, short	5
Pb-free Profile Air, long	5
Pb-free process N2	5
Vapor phase process	TBD
Shiny joint appearance	4
Cosmetic cleanliness	4
ICCT compatible	5
Conformal coating	3

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

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	REL0
IPC-J-STD-005: 1995 (Powder)	T3
Particle size	[µm] 25-45

PROPERTIES		
Flux code	SP	
Alloy Code	BSA04	
Alloy composition	Bi57.6/Sn42/Ag0.4	
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
RoHS Compliant	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

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