

JEAN-151-SnBi28-T4

Rev: 22.12

Date 2022.10.18
Language English
SDS 950635



SUMMARY

Pb-free - Halide-free - low temperature - Premium latest technology No-Clean, Fine Pitch solder paste

PASTE	JEAN-151-SnBi28-T4
PROCESS	
No-Clean process	9
Post-solder cleaning	9

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

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

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	1122
IPC-J-STD-004-A: 2004	ROL0
IPC-J-STD-005: 1995 (Powder)	T4
Particle size [µm]	20-38

PROPERTIES	
Flux code	JEAN-151
Alloy Code	SnBi28
Alloy composition	-
Liquidus [°C]	191
Solidus [°C]	139
Recommended peak temp. [°C]	215-230
Acid number [mg KOH/g]	123
Flux [% w/w]	10.5
Residues	Colorless
Tackiness Malcom TK1	IPC-TM-650 2.4.44 [gf] @ 0h 42

TEST REPORTS	
IPC/ANSI-J-STD-005	Compliant
Certificate of Compliance	Website
Declaration of Conformity 2011/65/EU (RoHS)	Available
Application Note	EN/DE
Copper Mirror	IPC-TM-650 2.3.32 Pass
Halides	IPC-TM-650 2.3.33 [Silver Chromate] Pass
Halide	IPC-TM-650 2.3.35.1 [Fluoride by Spot] Pass
Copper Corrosion	IPC-TM-650 2.6.15 Pass
SIR	IPC-TM-650 2.6.3.3 Pass
ECM	IPC-TM-650 2.6.14.1 Pass

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 12

Check material compatibility with every process change!

Industrial chemical product.

Read MSDS before use.

Disclaimer:

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