

Solder paste

Product	JEAN-151-SN100C-T4
Date	2019.11.21
Release	PRELIMINARY
Language	English
SDS	950631

SUMMARY

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

PASTE	JEAN-151-SN100C-T4
PROCESS	
No-Clean process	5
Post-solder cleaning	5

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

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

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

CLASSIFICATION

DIN-EN-ISO-9454-1: 2016	1122
IPC-J-STD-004-A: 2004	ROLO
IPC-J-STD-005: 1995 (Powder)	T4
Particle size	[µm] 20-38

PROPERTIES

Flux code	JEAN-151	
Alloy Code	SN100C	
Alloy composition	Sn99.3Cu0.7NiGe	
Liquidus	[°C]	227
Solidus	[°C]	227
Recommended peak temp.	[°C]	238-260
Acid number	[mg KOH/g]	123
Flux	[% w/w]	N/A
Residues		Colorless
Tackiness Malcom TK1	JIS-Z-3284	[gf] @ 0h N/A

TEST REPORTS

IPC/ANSI-J-STD-005	Compliant		
Certificate of Compliance	Website		
RoHS Compliant	Available		
Application Note	EN/DE		
Copper Mirror	IPC-TM-650 2.3.32		L
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		L
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	N/A

Check material compatibility with every process change!

Industrial chemical product.

Read MSDS before use.

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