

Solder paste

Product	JEAN-151-SAC305-T5
Date	2019.11.20
Release	PRELIMINARY
Language	English
SDS	950631

SUMMARY

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

PASTE	JEAN-151-SAC305-T5
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	N/A
ProFlow	N/A
Pb-free Profile Air, short	N/A
Pb-free Profile Air, long	N/A
Pb-free process N2	N/A
Vapor phase process	N/A
Shiny joint appearance	N/A
Cosmetic cleanliness	N/A
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)	T5
Particle size	[µm] 15-25

PROPERTIES

Flux code	M151
Alloy Code	SAC3
Alloy composition	Sn96.5Ag3Cu0.5
Liquidus	[°C] 219
Solidus	[°C] 217
Recommended peak temp.	[°C] 232-260
Acid number	[mg KOH/g] 123
Flux	[% w/w] 11.3
Residues	Colorless
Tackiness Malcom TK1	IPC-TM-650 2.4.44 [gf] @ 0h 50

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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