

## Solder paste

<b>Product</b>	<b>JEAN-151-SAC305-T4</b>
<b>Date</b>	2019.11.20
<b>Release</b>	19.11
<b>Language</b>	English
<b>SDS</b>	950631

### SUMMARY

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

PASTE	JEAN-151-SAC305-T4
<b>PROCESS</b>	
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	4
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	ROL0
IPC-J-STD-005: 1995 (Powder)	T4
Particle size	[µm] 20-38

### PROPERTIES

Flux code	JEAN-151	
Alloy Code	SAC305	
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]	11.2
Residues	Colorless	
Tackiness Malcom TK1	IPC-TM-650 2.4.44	[gf] @ 0h 35

### 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	6

**Check material compatibility with every process change!**

**Industrial chemical product.**

**Read MSDS before use.**

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