

JEAN-151-SAC305-T3

Rev: 19.11

Date	2021.08.18
Language	English
SDS	950631



SUMMARY

Pb-free - Halide-free - Premium latest technology No-Clean solder paste

PASTE	JEAN-151-SAC305-T3	
PROCESS		
No-Clean process		9
Post-solder cleaning		9

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

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		8
Shiny joint appearance		8
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

Check material compatibility with every process change!

Industrial chemical product.

Read MSDS before use.

CLASSIFICATION		
DIN-EN-ISO-9454-1: 2016		1122
IPC-J-STD-004-A: 2004		ROLO
IPC-J-STD-005: 1995 (Powder)		T3
Particle size	[µm]	25-45

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	31

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	

Disclaimer:

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