

JEAN-151-SAC305

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	
<b>PROCESS</b>		
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.

Disclaimer:

This information is intended as advice to the best of our knowledge. The provided data is based on our own measurements, they do not provide any guaranteed properties nor are these delivery specifications. Due to the versatility of materials, applications and taking in consideration the industrial property rights of third parties, Balver Zinn Josef Jost GmbH & Co. KG cannot take any liability.

CLASSIFICATION	
DIN-EN-ISO-9454-1: 2016	1122
IPC-J-STD-004-A: 2004	ROLO

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