Product data sheet

BALVER ZINN®

JEAN-151-SAC305-T5 Dispenser

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Language English
SDS 950631

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SUMMARY

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

PASTE	JEAN-151-SAC305-T5 Dispenser
PROCESS	
No-Clean process	9
Post-solder cleaning	9

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

PROCESS CAPABILITY	
Air Dispenser	9
Screw Dispenser	9
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	8
Conformal coating	8

Legend	
Especially made for this purpose	9 - 10
Generally qualified for this purpose	7 - 8
Generally usable, but not the best choice	5 - 6
Generally not usable for this purpose	3 - 4
Wrong choice	1 - 2

CLASSIFICATION		
DIN-EN-ISO-9454-1: 2016		1.1.3.C
IPC-J-STD-004-A: 2004		ROL0
IPC-J-STD-005: 1995 (Powder)		T5
Particle size	[µm]	15-25

PROPERTIES			
Flux code			M151
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]	12.4
Residues			Colorless
Tackiness Malcom TK1	JIS-Z-3284	[gf] @ 0h	

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 syringe 5cc	[g]	10
Packaging syringe 10cc	[g]	25; 40
Packaging syringe 30cc	[g]	50; 75; 100; 120
Packaging cartridge	[g]	500; 650
Minimum shelf-life in months	4-10 °C	12
Minimum shelf-life in months	< 25°C	6

Check material compatibility with every process change!

Industrial chemical product.

Read MSDS before use.