

SAC4-325GM5 Dispenser

Rev: 24.06

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 Language English
 SDS 950616



SUMMARY

Pb-free - No-Clean, Fine Pitch solder paste for dispensing applications

PASTE	SAC4-325GM5 Dispenser
PROCESS	
No-Clean process	9
Post-solder cleaning	6

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

PROCESS CAPABILITY	
Air Dispenser	9
Screw Dispenser	8
Pb-free Profile Air, short	9
Pb-free Profile Air, long	8
Pb-free process N2	8
Vapor phase process	6
Shiny joint appearance	6
Cosmetic cleanliness	8
ICCT compatible	8
Conformal coating	9

Legend	
<i>Epecially 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.

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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	1.2.2.C
IPC-J-STD-004-A: 2004	REL1
IPC-J-STD-005: 1995 (Powder)	T4
Particle size	[µm] 20-38

PROPERTIES	
Flux code	325GM5
Alloy Code	SAC4
Alloy composition	Sn95.5Ag4Cu0.5
Liquidus	[°C] 217
Solidus	[°C] 217
Recommended peak temp.	[°C] 232-260
Acid number	[mg KOH/g] 49.30
Flux	[% w/w] 15.4
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 6
Minimum shelf-life in months	< 25°C ~