

SAC4-HM3S

Rev: 15.1

Date 2021.06.28
 Language English
 SDS 950618



SUMMARY

Pb-free - No-Clean, Fine Pitch solder paste - Very low oven contamination

PASTE	SAC4-HM3S
PROCESS	
No-Clean process	9
Post-solder cleaning	6

INDUSTRY APPLICATION	
Standard electronics	6
Industrial electronics	8
Hi-Rel electronics (automotive)	9

PROCESS CAPABILITY	
Squeegee	9
ProFlow	8
Pb-free Profile Air, short	8
Pb-free Profile Air, long	6
Pb-free process N2	9
Vapor phase process	7
Shiny joint appearance	8
Cosmetic cleanliness	8
ICCT compatible	9
Conformal coating	9

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

CLASSIFICATION	
DIN-EN-29454-1: 1994	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	M3S
Alloy Code	SAC4
Alloy composition	Sn95.5Ag4Cu0.5
Liquidus [°C]	217
Solidus [°C]	217
Recommended peak temp. [°C]	232-250
Acid number [mg KOH/g]	60.7
Flux [% w/w]	10.9
Residues	Colorless
Tackiness Malcom TK1 JIS-Z-3284 [gf] @ 0h	110

TEST REPORTS	
IPC/ANSI-J-STD-005	Compliant
Certificate of Compliance	Website
RoHS Compliant	Available
Application Note	EN/DE

Check material compatibility with every process change!

Industrial chemical product.

Read MSDS before use.

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

Disclaimer:

The information given in this publication has been worked up to the best of the knowledge of Cobar as well as taking into consideration the applicable laws and regulations. We cannot anticipate all conditions under which this information and our products or the products of other manufacturers in combination with our products may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, we sell the products without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of our products, whether used alone or in combination with other products.