

S9M-HM3S

Rev: 15.2

Date	2021.06.28
Language	English
SDS	950618



SUMMARY

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

PASTE	S9M-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	9
Shiny joint appearance	6
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

Check material compatibility with every process change!

Industrial chemical product.

Read MSDS before use.

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	S9M
Alloy composition	Sn96Ag3.75Cu0.25
Liquidus	[°C] 221
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

PACKAGING AND STORAGE		
Packaging jar	PP [g]	500
Packaging cartridge	HDPE [g]	600
Packaging cartridge	HDPE [g]	1300
Packaging Cassette Pro-Flow	[g]	800
Minimum shelf-life in months	4-10 °C	6

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