

Product	SN100C-HF3+	
Date	2018.05.18	
Release	15.1	Solder paste
Language	English	

SUMMARY

Pb-free - Halide-free - Silver free - No-Clean solder paste - Fine Pitch

PASTE	SN100C-HF3+
PROCESS	
No-Clean process	5
Post-solder cleaning	3

INDUSTRY APPLICATION	
Consumer electronics	4
Standard industrial electronics	5
Hi-Rel electronics (automotive)	4

PROCESS CAPABILITY	
Squeegee	5
ProFlow	3
Pb-free Profile Air, short	4
Pb-free Profile Air, long	4
Pb-free process N2	5
Vapor phase process	3
Shiny joint appearance	5
Cosmetic cleanliness	4
ICCT compatible	5
Conformal coating	3

Legend	
<i>Especially made for this purpose</i>	5
<i>Generally qualified for this purpose</i>	4
<i>Generally usable, but not the best choice</i>	3
<i>Generally not usable for this purpose</i>	2
<i>Wrong choice</i>	1

Check material compatibility with every process change!

Industrial chemical product.

Read MSDS before use.

CLASSIFICATION	
DIN-EN-29454-1: 1994	1.2.3.C
IPC-J-STD-004-A: 2004	REL0
IPC-J-STD-005: 1995 (Powder)	T4
Particle size	[µm] 20-38

PROPERTIES		
Flux code	F3+	
Alloy Code	SN100C	
Alloy composition	Sn99.25/Cu0.7/Ni0.05	
Liquidus	[°C]	227
Solidus	[°C]	227
Recommended peak temp.	[°C]	238-250
Acid number	[mg KOH/g]	124.3
Flux	[% w/w]	12.2
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
Copper Mirror	IPC-TM-650 2.3.32		L
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		L
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	6

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