

OT2-SN63-T4

Rev: 15.2

Date	2021.06.28
Language	English
SDS	950707



SUMMARY

SnPb - Premium latest technology No-Clean, Fine Pitch solder paste - Halide/Halogen free

PASTE	OT2-SN63-T4	
PROCESS		
No-Clean process		9
Post-solder cleaning		9

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

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

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.

Product contains SVHC substance Lead with more than 0,1 Mass%.

CLASSIFICATION		
DIN-EN-29454-1: 1994		1.1.3.C
IPC-J-STD-004-A: 2004		ROLO
IPC-J-STD-005: 1995 (Powder)		T4
Particle size	[µm]	20-38

PROPERTIES		
Flux code		OT2
Alloy Code		SN63
Alloy composition		Sn63Pb37
Liquidus	[°C]	183
Solidus	[°C]	183
Recommended peak temp.	[°C]	205-225
Acid number	[mg KOH/g]	142.9
Flux	[% w/w]	11
Residues		Colorless
Tackiness Malcom TK1	JIS-Z-3284	[gf] @ 0h
		90

TEST REPORTS			
IPC/ANSI-J-STD-005			Compliant
Certificate of Compliance			Website
Declaration of Conformity 2011/65/EU (RoHS)			No
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 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	5

Disclaimer:

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