Product data sheet

BALVER ZINN®

SN100C-LF2220NC

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Language English
SDS 950201

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SUMMARY

The REL0 classified, halide-free, no-clean solder wire LF2220NC has been specially developed for lead-free repair and rework soldering.

Solder Wire	SN100C-LF2220NC
PROCESS	
No-Clean process	9
Post-solder cleaning	8
Water soluble	1

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

PROCESS CAPABILITY	
Manual soldering	9
Robot soldering	8
Laser soldering	7
Wetting properties	9
Wetting time	8
Solderball formation	7
Flux spattering	7
Smoke formation	8
Tip lifetime	8
Shiny joint appearance	9
Cosmetic cleanliness	8
ICCT compatible	9
Conformal coating	7

Legend	
Especially made for this purpose	9 - 10
Generally qualified for this purpose	7 - 8
Generally usable, but not the best choice	5 - 6
Generally not usable for this purpose	3 - 4
Wrong choice	1 - 2

Check material compatibility with every process change!

Industrial chemical product.

Read MSDS before use.

CLASSIFICATION	
DIN-EN-ISO-9454-1: 2016	1222
IPC-J-STD-004-A: 2004	REL0

PROPERTIES		
Flux code		2220
Alloy code		SN100C
Alloy composition		SnCu0.7Ni
Liquidus	[°C]	227
Solidus	[°C]	227
Recommended soldering temp.	[°C]	330 - 380
Acid number	[mg KOH/g]	220
Flux content	[% w/w]	2.2
Residues		Colorless

TEST REPORTS			
Certificate of Compliance			Website
Declaration of Conformity 2011/65/EU (RoHS)			Website
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			
Reels			
Label	K63	BZ	K80
Weight [kg]	0.25 / 0.4	0.5 / 1.0	0.4 / 0.8
Height [mm]	63	80	80
External diameter [mm]	63	76	80
Internal diameter [mm]	11	30	16
Reels per carton	10	10	10
Standard wire diameter [mm]		⌀	0.3 - 3.5
Minimum shelf-life in months		20-25 °C	60

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