

Technical Data Sheet

Product Name: Nihon Superior Lead Free Solder Bar SN100C3, C4 & C7
For high temperature dip soldering and tinning

Alloy Compositions

SN100C3

Alloy Composition (%)											
Sn	Cu	Ni	Pb	Sb	Bi	Ag	Zn	Fe	Al	As	Cd
Bal	3.0 ±0.3	*	0.05 max	0.05 max	0.03 max	0.05 max	0.002 max	0.02 max	0.002 max	0.03 max	0.002 max

SN100C4

Alloy Composition (%)											
Sn	Cu	Ni	Pb	Sb	Bi	Ag	Zn	Fe	Al	As	Cd
Bal	4.0 ±0.4	*	0.05 max	0.05 max	0.03 max	0.05 max	0.002 max	0.02 max	0.002 max	0.03 max	0.002 max

SN100C7

Alloy Composition (%)											
Sn	Cu	Ni	Pb	Sb	Bi	Ag	Zn	Fe	Al	As	Cd
Bal	7.0 ±0.7	*	0.1 max	0.1 max	0.03 max	0.05 max	0.005 max	0.02 max	0.002 max	0.05 max	0.002 max


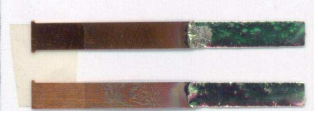

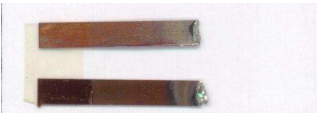
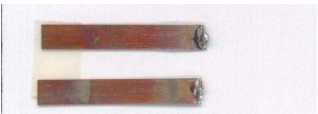




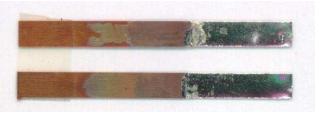
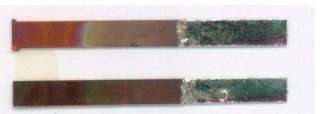

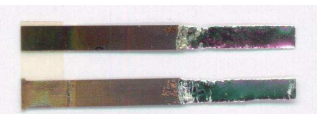





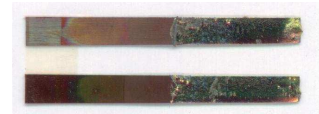
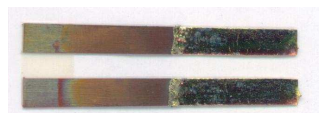
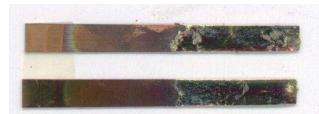
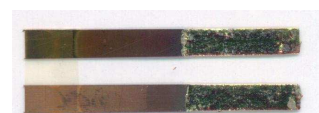
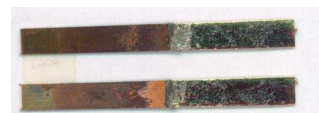

Alloy Properties

	SN100C3	SN100C4	SN100C7
Solidus Temperature	Approx 227°C	Approx 227°C	Approx 227°C
Liquidus Temperature	Approx 310°C	Approx 340°C	Approx 417°C
Specific Gravity @ 20°C	7.4	7.4	7.45
Operating Temperature	400°C	450°C	>500°C

Availability: In tinmans sticks (nom 250g) or nom. 1kg bars.

Packing: 20kg per carton

The information given in this technical data sheet is to the best of our knowledge accurate. It is intended to be helpful but no warranty is expressed or implied regarding the accuracy of such data. It is the users responsibility to determine the suitability of his own use of the product described herein: and since conditions of use are beyond our control, we disclaim all liability with respect to the use of any material supplied by us. Nothing contained herein shall be construed as permission or as recommendations to practice any patented invention without a license from the patent owner nor as recommendation to use any product or to practise any patented invention without a license from the patent owner nor as recommendation to use any product or to practise any process in violation of any law or any government regulations.

		IMMERSION TIME (MINUTES)								
		1	1.5	2	3	5	8	10	20	
Sn- 0.7Cu+ Ni										
	Sn- 3Cu+Ni									
		Sn- 4Cu+Ni								

Sn-
0.7Cu+
Ni

Sn-
3Cu+Ni

Sn-
4Cu+Ni