



**NT 100 Ultra-Pure Lead-Free Solder**



**CHEMICAL COMPOSITION**

**MATERIAL:** 99.2Sn/.8Cu Solder  
**TRADE NAME:** NT 100 Ultra-Pure Solder  
**SPECIFICATION:** J-STD-006  
**CROSS REF:** N/A

		Min.	Max.
Sn	Tin -----	99.20 +/-	0.30
Sb	Antimony ----		<0.10
Cu	Copper -----		0.10
Pb	Lead -----		<0.10
Ag	Silver -----		<0.002
Fe	Iron -----		<0.02
As	Arsenic -----		<0.03
Bi	Bismuth -----		<0.10
Zn	Zinc -----		<0.001
Al	Aluminum ----		<0.001
Cd	Cadmium ----		<0.001
Ni	Nickel -----		<0.03

**PACKAGING OPTIONS**

- Bars- meter bar, 1 lb., 5 & 7 lb. notch bar
- Pallets- securely banded, shrink wrapped
- Boxes- 50# each
- Labels- Each box individually labeled

**CERTIFICATION**

- Only 100% virgin metals in our process
- Chemical analysis provided w/shipment
- Lab service available for pot samples

SPEC NO: NT 100 Bar Solder  
 Rev: 2 Date: 10/14/2009  
 Approved By:  
 Ben Etherington; VP, Operations

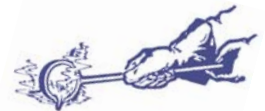
**PHYSICAL PROPERTIES**

Solidus (°F) - 441  
 Liquidus (°F) - 441  
 Density (lbs/in<sup>3</sup>) - 0.263  
 Specific Gravity (g/m<sup>3</sup>) - 7.31  
 Hardness (HV) - 14.0  
 Specific Heat Capacity (J/g K) - 0.232  
 Reflow Soldering Temp. (°F) - 455-473  
 Wave Soldering Pot Temp. (°F) - 520-530  
 Hand Soldering Tip Temp. (°F) - 700-800

Please direct your sales and technical inquires to (215) 821-8461

Daryl Williams- [daryl@nathantrötter.com](mailto:daryl@nathantrötter.com)

**Quality Since 1789**



**Nathan Trotter & Co.**  
 Non-Ferrous Metals

241 West Stewart Huston Drive • Coatesville, PA. 19320  
 Tel#: (215) 821-8461 • Fax#: (215) 701-0807 • [www.nathantrötter.com](http://www.nathantrötter.com)

**NATHAN TROTTER IS ISO 9001:2008 REGISTERED**