



**ASTM GRADE 3 BABBITT METAL**



**CHEMICAL COMPOSITION**

**MATERIAL:** 84Sn/8Sb/8Cu  
**TRADE NAME:** Grade 3 Babbitt Metal  
**ASTM SPEC. #:** ASTM B23-00 Alloy 3  
**CROSS REF:** QQ-T-390A Grade 3

		Min.	Max.
Sn	Tin -----	83.00	85.00
Sb	Antimony ----	7.50	8.50
Cu	Copper -----	7.50	8.50
Pb	Lead -----		<0.35
Fe	Iron -----		<0.08
As	Arsenic -----		<0.10
Bi	Bismuth -----		<0.08
Zn	Zinc -----		<0.005
Al	Aluminum ----		<0.005
Cd	Cadmium ----		<0.05
Ni	Nickel -----		<0.001

**PACKAGING OPTIONS**

- Bars- 5 lb. & 7 lb. notch bar, 25 lb. ingot
- Pallets- securely banded, shrink wrapped
- Boxes- 50# each (if required)
- 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 Grade 3 Babbitt  
 Rev: 2 Date: 10/14/2009  
 Approved By:  
 Ben Etherington; VP, Operations

**PHYSICAL PROPERTIES**

Solidus (°F) - 464  
 Liquidus (°F) - 792  
 Pouring Temperature (°F) - 915  
 Density (lbs/in<sup>3</sup>) - 0.269  
 Specific Gravity (g/m<sup>3</sup>) - 7.46  
 Brinell Hardness (@68°F / 212°F) - 27/14.5  
 Tensile Strength (lbs./in.<sup>2</sup>) - 10,000  
 Elongation % - 8.0  
 Compressive Strength (tons/in<sup>2</sup>) - 1.00

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

Daryl Williams- daryl@nathanrotter.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.nathanrotter.com

NATHAN TROTTER IS ISO 9001:2008 REGISTERED