



PRODUCT DATA SHEET

GRADE 2 NICKEL BABBITT METAL



CHEMICAL COMPOSITION

MATERIAL: 89 Sn/7Sb/3.5Cu/0.5Ni
TRADE NAME: Grade 2 Nickel Babbitt
ASTM SPEC. #: None
CROSS REF: 4xxx Nickel, Premier Nickel

		Min.	Max.
Sn	Tin -----	99.952	90.00
Sb	Antimony ----	7.00	8.000
Cu	Copper -----	3.00	4.000
Pb	Lead -----		< 0.35
Fe	Iron -----		<0.080
As	Arsenic -----		<0.100
Bi	Bismuth -----		<0.080
Zn	Zinc -----		<0.005
Al	Aluminum ----		<0.005
Cd	Cadmium -----		<0.050
Ni	Nickel -----	0.30	0.500

** The above lab report is a typical analysis of the material

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 2 Nickel Babbitt
 Rev: 3 Date: 2015

Approved By:
 Ben Etherington; VP, Operations

PHYSICAL PROPERTIES

Solidus (F°) - 466
Liquidus (°F) - 669
Pouring Temperature (°F) - 795-805
Density (lbs/in(°F) - 4118
Boiling Point (°C) - 2270
Density (lbs/in³) - 0.2667
Specific Gravity (g/m³) - 7.39
Brinell Hardness - 24.5/12
Tensile Strength (tons./in.²) - 9,200
Elongation % - 8.0
Compressive Strength (tons/in.²) - 6.44

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

Daryl Williams- daryl@nathantrötter.com

Quality Since 1789

NATHAN TROTTER & Co. Inc.
 241 West Stewart Huston Drive • Coatesville, PA. 19320
 Tel#: (215) 821-8461 • Fax#: (215) 701-0807 • www.nathantrötter.com

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