



PRODUCT DATA SHEET

TIN (Sn)



CHEMICAL SPECIFICATION in accordance with ASTM B339

Element	Grade A Tin%	Low-Lead Tin%	99.99 Tin
Tin (Sn)	99.85 min	99.90 min	99.99 min
Silver (Ag)	0.01	0.01	0.002
Cadmium (Cd)	0.001	0.001	0.002
Lead (Pb)	0.05	0.005	0.005
Copper (Cu)	0.04	0.04	0.002
Arsenic (As)	0.05	0.05	0.002
Iron (Fe)	0.01	0.01	0.002
Zinc (Zn)	0.005	0.005	0.002
Nickel (Ni)	0.005	0.005	0.002
Antimony (Sb)	0.04	0.04	0.005
Bismuth (Bi)	0.03	0.03	0.002
Cobalt (Co)	0.005	0.005	0.002

Limits are % max unless otherwise shown as range or stated otherwise

PHYSICAL PROPERTIES

Melting Temp (°F).....	450
Melting Temp (°C)	232
Density (lbs/in ³)	0.264
Specific Gravity (g/m ³)	7.30
Tensile Strength (tons./in. ²)	0.94
Brinell Hardness.....	4.6

TIN PRODUCTS SUPPLIED BY NATHAN TROTTER

Below is a list of other tin products manufactured by Nathan Trotter:

Tin Alloys	Tin Anodes for Plating	Foundry Additions
Solder	1x4, 1x3	Bar—1lb, Notch, Handy Bar
Babbitt (tin and lead based)	Ovals	Ingot—20, 40, 60 lbs
Pewter	D-Shapes	Sheared Ingot
White Metal	Waffles	Shot: 6mm x down, 2 mm x down
	Balls; 1/2", 3/4", 1", 2"	
	Nuggets 1/2", 3/4", 1",	

RECYCLING / RECLAIM

Tin Technology and Refining (www.tintech.com) is the recycling/reclaim division of Nathan Trotter. Tin Tech works in conjunction with Nathan Trotter solder bar customers to recycle dross, drippings, residues, paste, and other solder scrap that is generated from the use of solder. Tin Tech operates as a permitted, environmentally responsible smelter with full reduction capabilities enabling optimal recoveries for all types of solder scrap material.

For Sales or Technical Assistance, contact Nathan Trotter & Co:

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