ATLANTIC EQUIPMENT ENGINEERS
HIGH PURITY METALS & COMPOUNDS

SN 100 – 101 – 102 – 103 - 104
Tin Metal Powder

SN 100 – 101 – 102 – 103 – 104	
Formula	Sn
Purity	99% - 99.9%
Particle size	1-2 um - <100 mesh

Typical Chemistry					
Elements	**SN 100**	**SN 101**	**SN 102**	**SN 103**	**SN 104**
Tin	99% min	99.9	99.9	99.9	99.9
Hydrogen loss	0.12	0.12	0.12	0.16	0.16

Particle Size					
	SN 100	**SN 101**	**SN 102**	**SN 103**	**SN 104**
Size	1-2-micron aps	1–5-micron aps	-325 mesh	-100 mesh	Plasma Spray Grade
APS	D50: 1.8 um	3-micron aps	95% min -325	0.6%+ 100	-100+325 mesh
Density	1.29 g/cc	3.4 g/cc	3.5 g/cc	3.75 g/cc	3.75 g/cc



Tin powders are used to make bearings, friction brake pads, and chemical and industrial applications. When added to copper, tin powders largest use is in the production of PM oil-impregnated bronze bearings, but tin powder can also be found in plastics, solder pastes and other applications, such as diamond tools and abrasive wheels. It is

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used in the automotive, chemical, friction, metallurgical, pyrotechnic and defense industries.

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