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

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