NANOSHEL
Creating Miracles in Black

Tin
High Purity Metal

Tin is a chemical element with the symbol Sn and atomic number 50. Tin has a very low melting point and because of this characteristic it is good for experiments comparing melting points as well as others. It has good chemical resistance; it is used as a coating of other metals to prevent corrosion, the coating of steel to produce tin plate being an important example of this application. Tin is widely used in the manufacture of soft solders where it is alloyed with other elements to produce a wide range of alloys with different characteristics.

Characteristics

- ✓ High mechanical strength
- ✓ Good electrical conductivity
- ✓ Superior efficiency
- ✓ Corrosion resistance
- ✓ Reliable performance.

Benefits

- ✓ Used as a coating of other metals to prevent corrosion
- ✓ Used in the manufacture of soft solders
- ✓ Optoelectronic applications
- ✓ Specialized semiconductor applications
- ✓ Transparent electrically conducting films with applications

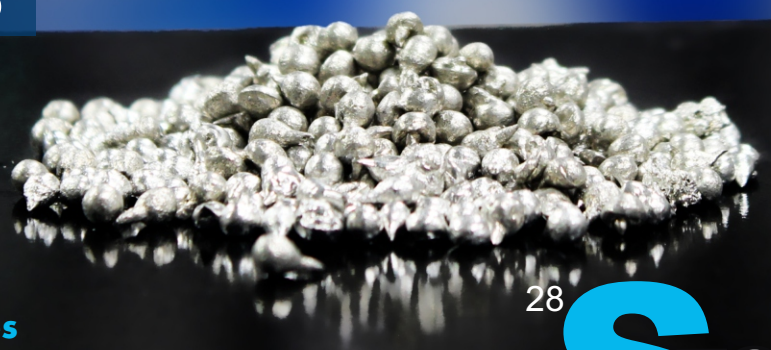
Quick Facts

Molecular Formula	:	Sn
Molecular Weight	:	118.71 g/mol
Density	:	7.2-7.3 g/cm3
Melting Point	:	232 °C
Boiling Point	:	26.2 °C
Thermal Conductivity	:	66.8 W/(mK)
Thermal Expansion	:	22.0 µm/(mK)
Young's Modulus	:	50 GPa
Specific Heat	:	0.21 J/g·°C (25°C)

Purity : 99.9%

High Purity
Tin
Available in:

Pieces | Rods | Shots | Chips | Pellets | Wires | Ingots | Bars | Granules



28
Sn
58.693

CE 20ZICE4589C
GMP 19ZAZGO1274G
ISO 14485:2016 CERTIFIED 20ZICE4588M
ISO 9001:2015
CERTIFIED COMPANY

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