

Technical Data Sheet

 **NAEWAI CORPORATION**

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Antimony Tin Oxide (ATO)

Product Identification

Product name : Antimony Tin Oxide (ATO)
Chemical Formula : $\text{SnO}_2 \cdot \text{Sb}_2\text{O}_5$
CAS No. : 68187-54-2

Physical and Chemical Properties

Property	Value / Description
Purity	99% min
Physical State	Powder
Color	Blue powder
Density	Approx. 6.8 g/cm ³
Melting Point	> 1000 °C
Boiling Point	No data
Solubility in Water	Insoluble
Electrical Properties	Good electrical conductivity as a doped oxide
Stability	Thermally stable
Reactivity	Stable, inert towards polymers and chemicals

Applications

Transparent conductive films, infrared light absorption coatings, antistatic coatings, ceramic and glass raw material, catalysis and photocatalysis agents

Packing

25kg net in sealed containers

Shipping Regulations

Not subject to transport regulations

Safety Information

Harmful if swallowed. Causes severe skin burns and eye damage.
Harmful if inhaled. Toxic to aquatic life with long lasting effects.