

# TIN SELENIDE

## Powder

Tin selenide (SnSe) is a narrow band gap semiconductor comprised of environmentally friendly and earth abundant elements. SnSe has recently proven to be an extraordinarily promising thermoelectric material with intrinsically ultra-low lattice thermal conductivity and a record figure of merit up to 2.6 at a higher temperature (813K). This enables direct and reversible conversion between thermal and electrical energy, and provides a viable route for power generation from waste heat.



**APS**  
**<100µm**

**PURITY**  
**99.9%**



### Packing Sizes:

25Gms, 50Gms, 100Gms, 500Gms & Bulk Orders



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#### INTELLIGENT MATERIALS PVT LTD

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# SnSe

**CAS**  
**1315-06-6**

**NS6130-12-000159**

## Quick Facts

Product	: Tin Selenide Powder
Stock No	: NS6130-12-000159
CAS	: 1315-06-6
Color	: White/off-white
Form	: Powder

## TECHNICAL Specification

APS	: <100µm
Purity	: 99.9%
Molecular Weight	: 197.67g/mol
Density	: 6.179g/cm <sup>3</sup>
Melting Point	: 861°C

## APPLICATIONS

- ✓ Used for optoelectronic devices
- ✓ Solar cells, Memory switching devices
- ✓ Anodes for lithium-ion batteries
- ✓ Narrow band-gap semiconductor
- ✓ Used for solid-state lubricant



2021CE4589C



18ZAZ001274G



2021CE4588M

ISO 9001:2015  
CERTIFIED COMPANY

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