

NS6130-12-001320

INDIUM ANTIMONIDE

Nanoparticles

Quick Facts

Product	:	Indium Antimonide Nanoparticles
Stock No	:	NS6130-12-001320
CAS	:	1312-41-0
Molecular Formula	:	InSb
Form	:	Powder

Purity
99.9%

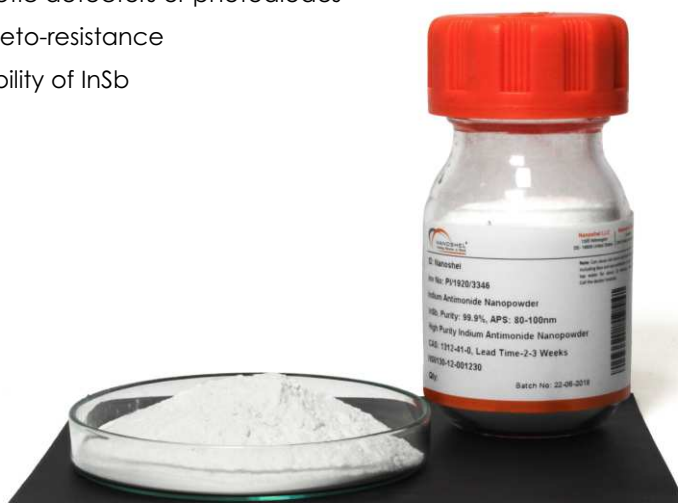
Technical Specification

Molecular Weight	Density	Melting Point	APS
236.58 g/mol	5.78 g/cm ³	527°C	80-100nm

Indium antimonide (InSb) is a crystalline compound made from the elements indium (In) and antimony (Sb). It is a narrow-gap semiconductor material from the III-V group used in infrared detectors, including thermal imaging cameras, FLIR systems, infrared homing missile guidance systems, and in infrared astronomy.

- ✓ As a terahertz radiation source as it is a strong photo-Dember emitter
- ✓ It finds use in infrared detectors, including FLIR systems, thermal imaging cameras, infrared astronomy and in infrared homing missile guidance systems
- ✓ In thermal image detectors using photo-electromagnetic detectors or photodiodes
- ✓ In magnetic field sensors using the Hall effect or magneto-resistance
- ✓ In fast transistors especially due to the high carrier mobility of InSb

InSb
APS 80-100nm



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20ZICE4589C



19ZAZGO1274G



20ZICE4588M

ISO 9001:2015
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