

NS6130-12-000603

Quick Facts

Product	:	Indium Gallium Arsenide Nanopowder
Stock No	:	NS6130-12-000603
CAS	:	12056-07-4
Molecular Formula	:	In ₂ Se ₃
Form	:	Powder
Color	:	Gray/Black

INDIUM GALLIUM

Arsenide Nanopowder

Purity
99.9%

Technical Specification

Molecular Weight	Density	Melting Point	APS
466.516 g/mol	5.80 g/cm ³	N/A	40-70µm

Indium(III) selenide is a compound of indium and selenium. It has potential for use in photovoltaic devices and it has been the subject of extensive research. Indium(III) selenide has been of great research interest and extensively studied to explore its applications in solar energy harvesting, nonvolatile phase change memory and optoelectronic devices. In₂Se₃ is particularly desired for photodetection due to its optimum direct-band gap (1.3 eV), efficient absorption and great photon sensitivity.

Applications:

- Used in photovoltaic devices
- Used for optoelectronics and in solar cells.
- Hydrogen evolution reaction (HER)
- Photodetectors and optical sensing
- FETs and thermo-electronic devices.

In₂Se₃

APS 40-70µm



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20ZICE4589C



19ZAZGO1274G



20ZICE4588M

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