

# GALLIUM ARSENIDE

## Nanopowder

Nanoparticles research is currently one of the most active branches of science with many of applications in various field. Gallium arsenide is a semiconductor with excellent electronic properties. Gallium arsenide nanoparticles. Gallium is a Block P, Period 4 element, while arsenic is a Block P, Period 4 element. Gallium arsenide is a semiconductor with excellent electronic properties. The morphology of gallium arsenide nanoparticles is gray cubic crystals. Gallium arsenide nanoparticles are graded as toxic and dangerous for the environment. Gallium arsenide (GaAs) is a compound of gallium and arsenic. It is a vital semiconductor and is commonly used to manufacture devices such as infrared emitting diodes, laser diodes, integrated circuits at microwave frequencies, and photovoltaic cells.



### Quick Facts

Product	: Gallium Arsenide Nanopowder
Stock No	: NS6130-12-000342
CAS	: 1303-00-0
Color	: Grey
Form	: Powder

### TECHNICAL Specification

APS	: 80-100nm
Purity	: 99.99%
Molecular Weight	: 144.64g/mol
Density	: 5.3 g/cm <sup>3</sup>
Melting Point	: 1400°C

### APPLICATIONS

- ✓ In the manufacture of devices such as monolithic microwave integrated circuits, infrared light-emitting diodes, microwave frequency integrated circuits, solar cells, laser diodes, and optical windows
- ✓ Gallium arsenide nanowires can be used for high technology applications such as electronics, optics, and photovoltaics.

**APS**  
80-100nm

**PURITY**  
99.99%

Rare Earth METALS



**Packing Sizes:**  
25Gms, 50Gms, 100Gms, 500Gms & Bulk Orders

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ISO 9001:2015  
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