

Gallium

NITRIDE POWDER

Quick FACTS

- ✓ Product : Gallium Nitride Powder
- ✓ Color : Yellow/gray Powder
- ✓ Stock No : NS6130-12-000935
- ✓ CAS : 25617-97-4
- ✓ Purity : 99.9%
- ✓ APS : 40-60 μ m
- ✓ Other Metal : 850ppm

Gallium nitride (GaN) has attracted much attention for a long time as a promising material for semiconductor device application in the transistors, visible light-emitting sources and high power diodes. Gallium nitride semiconductors are useful in, among other things, high power electronic and optoelectronics, such as flat panel displays, light emitting diodes, and laser diodes. While most gallium nitride ("GaN") materials are produced as thin films, GaN powders have applications as electroluminescent phosphor. Gallium Nitride (GaN) is a hard, mechanically stable semiconductor compound with high heat capacity and thermal conductivity. Gallium nitride (GaN) is a wide band gap semiconducting material, which can be used in the development of a variety of electronic devices, such as light emitting diodes (LEDs), and field effect transistors (FETs). It can also be used as a transition metal dopant for spintronics-based applications.



CE ISO 9001:2015
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ISO: 13485:2016/20ZICE4588M
CE: 20ZICE4589C

    /nanoshel

www.nanoshel.com | sales@nanoshel.com

Tel: +91 9779550077,9779238252

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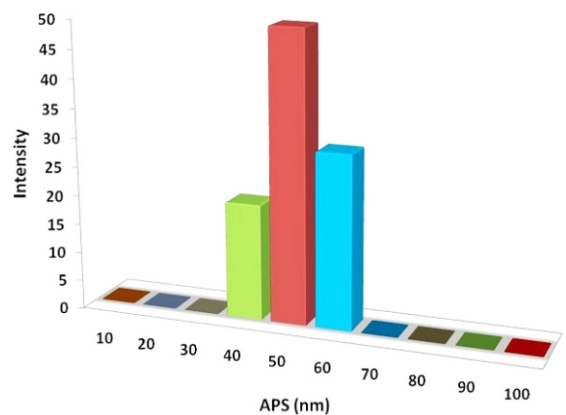
NITRIDE POWDER

Applications

- ✓ Bandgap semiconductor material, Traffic Signals
- ✓ Automotive Interior Lighting, LED Full-Color Displays
- ✓ Optical Storage, LED-Generated Indoor/outdoor Lighting, Laser diodes
- ✓ High-resolution Printings, Full-Color Film Printers
- ✓ Projection Television and Biomedical Uses

Packing Sizes Available

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



Technical SPECIFICATION

Molecular Formula	Molecular Weight	Density	Melting Point
GaN	83.73 g/mol	6.1 g/cm ³	800 °C

INTELLIGENT MATERIALS PVT LTD

Derabassi-140507 Punjab-India
www.nanoshel.com | sales@nanoshel.com
+91 9779 550077, 9779238252
Company's GSTIN: 03AABCI9814Q1Z6

NANOSHEL UK LIMITED.

Chapel House
Chapel St Cheshire
CW12 4AB United Kingdom
+44(0)74105488, +442031375187

NANOSHEL LLC.

3422 old Capitol Suit
1305 Wilmington DE - 19808
United States
+1646 470 4911



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