

# Graphite

## NANOPOWDER

# C

Purity  
**99.5%**

Stock no.  
**NS6130-01-113**  
CAS : **7782-42-5**

Graphite and diamonds are the only two naturally formed polymers of carbon. Graphite is essentially a two dimensional, planar crystal structure whereas diamonds are a three dimensional structure. Graphite is an excellent conductor of heat and electricity and has the highest natural strength and stiffness of any material.

### Technical Specification

| Molecular Weight | Density              | Melting Point | APS    |
|------------------|----------------------|---------------|--------|
| 12.01g/mol       | 1.8g/cm <sup>3</sup> | 3550°C        | <100nm |

- For the feature of small and homogeneous particle dimension, can be used as nano-scaled compound-material or compound-paint additive
- For the feature of high-purity and high specific surface area make it better to be hydrogen storage material than other materials
- For the feature of high thermal-stability electric/anti-corrosion performance and thermal-conduction features make it to be good electric and thermal conductive material
- Additive to lubricant can diminish the friction coefficient and improve the ability of anti-friction, resistance to ultimate-pressure and resistance to high temperature.
- For the component of homogeneous and small molecule measurement, can be utilized like compound-paint added substance or nano-scaled compound-material



**APS: <100nm**



ISO 9001:2015  
CERTIFIED COMPANY



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